



AARHUS  
UNIVERSITY

AARHUS INSTITUTE OF ADVANCED STUDIES

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# AIAS ANNUAL REPORT

2015/16



AARHUS INSTITUTE OF ADVANCED STUDIES



AIAS Fellow Xuhui Dong gives his 5-minute presentation at Monday Lunch.

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# DIRECTOR'S ACCOUNT OF 2015-2016

Consolidation and further development has been the order of the day, during the academic year of 15-16. The Institute has been completely full: all 34 offices have been occupied by a fellow during the entire year. Fellows leave, others join. Five new fellows commenced their fellowship by October 2015, yet another seven by February 2016. In the spring semester of 2016, the group of fellows comprised 19 nationalities, out of which 19 fellows come from the Natural Sciences/Health and 15 fellows from the Humanities/Social Sciences; 17 female and 17 male researchers.

The development continues in the same track. Following the international call in February 2016, AIAS received 211 applications from all over the world (57 nationalities), an increase in applicants of 40% compared to the previous year. In May 2016, based on a triple peer review process, the international Selection Board decided to offer AIAS fellowships to 10 researchers as per 1 October 2016 and 1 February 2017. The quality was equally impressive this year.

## INTERNATIONAL COLLABORATION

AIAS continues to be an active player in international collaboration between institutes of advanced study (IAS) worldwide. In 2015, AIAS was accepted in the global organization UBIAS (University-Based IAS), as well as in the European network NetIAS (Network of European IAS, including the independent institutes too). These two organizations partly overlap as both include the world's finest institutes (36 and 18 institutes, respectively). New members are only accepted by application and careful assessment. This year, AIAS has participated in annual meetings/conferences in Jerusalem (NetIAS) and Birmingham (UBIAS), respectively. In the spring of 2016, AIAS was also admitted to the joint fellowship programme of 'EURIAS', run by a group of European NetIAS member institutes with support from the EU. Consequently, from 2017 two junior fellows per year will be located at AIAS under this programme.

We learn greatly from the positive as well as the negative experiences gained by other institutes of advanced study across the globe. This exchange also includes visits to the sister institutes. In the spring of 2015, a delegation of AIAS administrative staff paid a visit to Durham University's Institute of Advanced Study. Furthermore, we have paid recent visits to the Institutes in Vienna, Paris, Jerusalem, Uppsala and Birmingham, just as we receive visitors from abroad on a regular basis.

The AIAS International Advisory Board convened both in 2015 and 2016. Professor Anna Tsing, University of California, Santa Cruz, USA, has wished to step down. In her place, and in the place of the late, former Advisory Board member Dale T. Mortensen respectively, Professors Cheryl Mattingly, University of Southern California, and Bo E. Honoré, Princeton University have been appointed members. We are grateful for their commitments.

## AARHUS UNIVERSITY

AIAS is a part of Aarhus University, but at the same time it is an independent unit outside of the University's organizational faculty and institute structure. This organizational situation – being simultaneously inside and outside – has historically been a challenge many places in the world. At Aarhus University, however, this relation by now works almost perfect. The AIAS management has bilateral meetings with all of the heads of institutes, one by one, on an ongoing basis. These meetings have resulted in open channels and continuous collaborations, both on academic events such as conferences/ workshops and on proactive recruitment and retention of international top-level researchers. After all, many of the AIAS Fellows carry out parts of their research work in the laboratory facilities of the institutes. These collaborations work very well too. A result of the dialogue with the AU institutes is a new scheme launched in the spring of 2016. By initiative of the heads of institute high-ranking, non-Danish AU top-level researchers can be appointed as an 'AIAS Associate' – a scheme that will provide privileged access to the facilities and events at AIAS to the same extent as enjoyed by the AIAS Fellows.



## RESEARCH AND EXCHANGE

The core aim of AIAS is to strengthen excellent research by offering particularly privileged conditions for the research work and the exchange between the researchers, also across research areas. AIAS has succeeded in this: AIAS Fellows are producing a steady flow of high profile research results, which are continuously published in journal articles, monographs and on scientific conferences all over the world (see also 'Fellows' Publications and Activities' pp. 36-47). The knowledge exchange and the internal life at the Institute is also proceeding vibrantly and fruitfully. Fellows' Seminars are held on Monday afternoons, during which an AIAS Fellow presents his or her research to all the other fellows, invited guests and the public. These presentations are followed by lively rounds of questions and answers. On Mondays, all fellows have a joint lunch during which one or more fellows do brief presentations of selected topics. Furthermore, AIAS Fellows, individually or in groups, initiate series of international conferences and workshops with invited guests from all over the world. From the past year, we could mention events such as: *CoLuAa XXIV 2015: Protein Crystallography* (November 2015); *1st Symposium meeting on Genes, Reproduction and Development* (December 2015); *Bifocal Perspectives on the Black Sea: Macro- and Microcosms* (April 2016); *Narrative Selves in Art and the Everyday* (May 2016) and *The Quantified Self and the Rise of Self-Tracking Culture* (June 2016) (see also 'AIAS Events' pp. 50-52).

Apart from AIAS' own events, the Institute continuously hosts (and supports) a large number of conferences and academic events planned by other units at Aarhus University and/or by external collaborative partners (please see 'Hosted Events' pp. 56-57). In addition to these, we have internal events for the AIAS Fellows exclusively. In the fall of 2015, a two-day workshop, focusing on career development, was held at the Sandbjerg Estate, and in the spring of 2016, a workshop on fundraising. Most recently (May 2016), a group of fellows initiated an internal symposium entitled 'Multidisciplinary, Interdisciplinary,



Transdisciplinary Research – What, Why, How?' This theme is important for the basic understanding of what it means to do exchange across disciplines and scientific areas.

## FOREVER YOUNG...

When presenting AIAS in Denmark and abroad, we have often made use of the headline 'Aarhus Institute of Advanced Studies – a very young, and yet very classical IAS.' Even though we grow older day by day, we are still young, having much to learn. At AIAS, there is an ongoing replacement of the scientific staff: all Fellows are here for only a limited period of time. This ought to ensure a continuous renewal and thus permanent youth, we hope.

We also wish to adhere to the idea of 'the classical', and we wish to do so because our ambition is to become one of the world's best Institutes for Advanced Study. We believe that the classical well-defined IAS model is the right one. Above all, it is right in relation to the University, by which we came into being, and which AIAS is meant to serve. We believe that it is exactly by being 'outside', by being distinctly different from the rest of the institution that AIAS can be experienced as and function as a true, common asset to the University. This is not necessarily a paradox. Distance and difference are often the best conditions for creating mutual inspiration and synergy. ■

**Morten Kyndrup, Summer 2016**

# WHAT DO AIAS AND THE NAME OF THE ROSE HAVE IN COMMON? MORE THAN YOU MIGHT THINK...

By: Karen Ní Mheallaigh  
AIAS-COFUND Fellow and  
Senior Lecturer, University of Exeter, UK

**Before returning in October to her permanent position as a Senior lecturer at the University of Exeter, United Kingdom, Karen Ní Mheallaigh gives a portrayal of life at AIAS after a 2-year fellowship.**

At one of our regular 'five-minute presentations' over Monday lunch (more about these presently), one of our fellows compared AIAS to a monastery. At the time, the idea seemed to sum up beautifully so much of what is special about life in AIAS – and what has been so preciously different from the cut-and-thrust of my usual academic life as a lecturer. But now, two years later, I am not so sure...

## FIRST IMPRESSIONS OF AIAS

I arrived at AIAS in September 2014. What I first saw was a yellow-brick building that glowed complacently in the autumn sunlight surrounded by great, old trees that were turning tones of red and gold. I was glad about the company of old trees. AIAS is nestled in the university-park, a vast, green and wooded space, which features a stream and a series of picturesque lakes beloved by the many local ducks. I imagined coming every day to work in this beautiful place, and watching it change with the seasons.

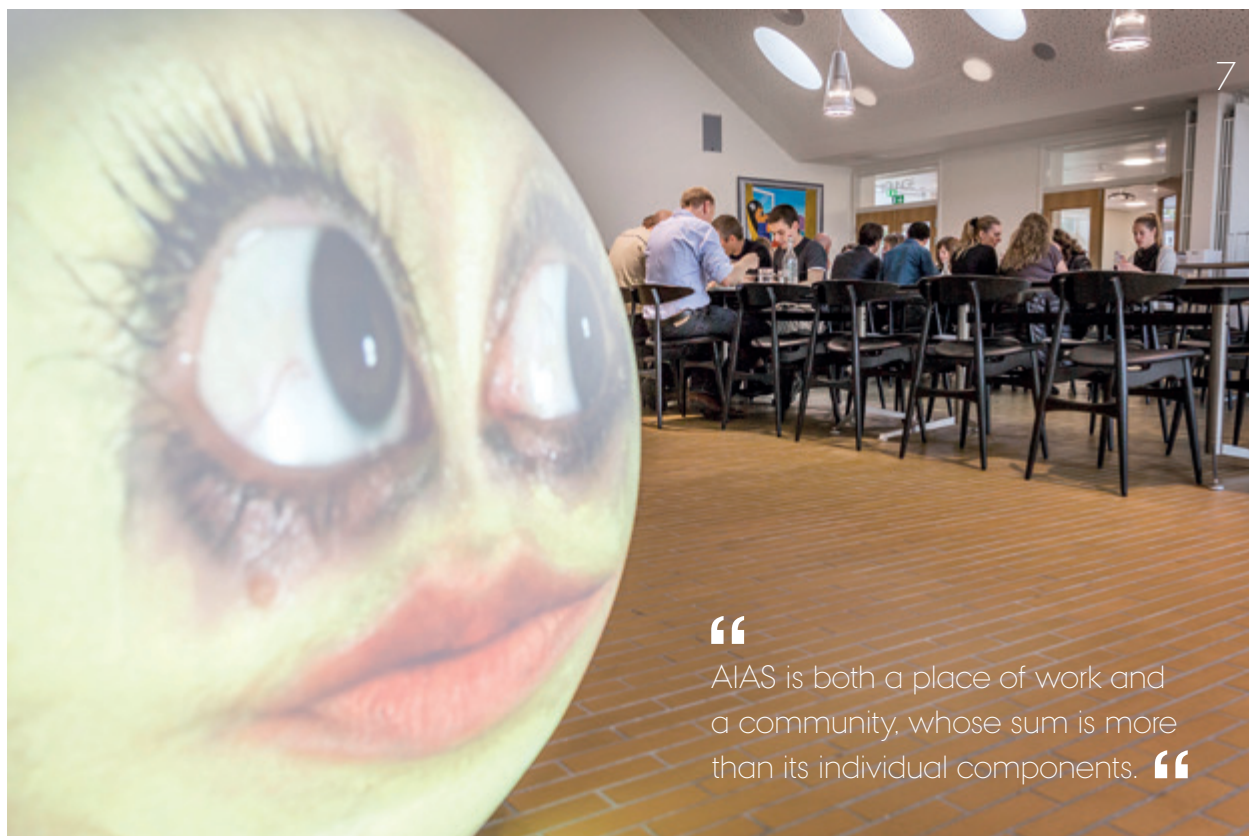
Upon entry into AIAS itself, one is confronted first with the great hall. This is a large space under the upturned 'V' of the central roof, and it is the heart of the building. Two long rows of tables run down the middle, and presiding over the space is *Ello*, the institute's resident alien. A 3D art-installation by video artist Tony Oursler, *Ello* is a moon-like boulder with mobile facial features, which burbles constant, incoherent expressions of urgency and joy like '*Help!... Rush!... Burst!*'. When I first met *Ello*, I tried to en-

gage it in conversation, only to be informed by a helpful AIAS resident that it doesn't talk back.

Off the hall to the right, there is a substantial kitchen and a lounge that is fitted out with softly rounded couches and tables strewn with newspapers and journals. The offices are sequestered off to the side and upstairs along peaceful corridors where one finds plants, inviting recesses and the occasional chair where one can sit and ponder. There is art everywhere. My instant impressions are of warmth and calm, a place that is designed for community and commensality, with the vital components of a home. But there is something deeper too that is less easily definable: this is a place of texture and thoughtfulness, a place that is designed to provoke thought and accommodate its growth.

## AIAS – A MONASTIC LIFE?

Like a monastery, AIAS is both a place of work and a community, whose sum is more than its individual components. The community is a mixture of generations from four of the world's continents: we have our venerable Jorges (albeit in more benevolent form) who break bread with our Adsos, and everyone in between. We represent a broad variety of disciplines. Our monastic life is shaped around its gentle rhythms, formal and informal. As a novice, one is introduced quickly to the formal framework, which is light and un-intrusive – just enough to generate cohesion: Monday Lunch and Friday Breakfast for all frame the week; Fellows' Seminar runs most Monday afternoons, followed by drinks, nibbles and discussion. Monday lunches are punctuated by a ritual 'five-minute presentation' which is given by one of the fellows. These can be on any subject the fellow chooses, from the sublime to the comical. Memorable examples include: *In*



“ AIAS is both a place of work and a community, whose sum is more than its individual components. ”

*Ello* (by Tony Oursler), the Institute's alien resident, greets fellows and visitors to AIAS.

*what ways are science and religion alike? What makes a poem a poem? Why is Vitamin B12 good for you? What happens when time flies backwards? Why are we building walls again in Europe – 25 years after we tore one down? The beauty of a Bauhaus chess-set, and the why of Donald Trump... You never know what to expect, and it reminds you that even in the quotidian, there is wonder. The informal rhythms you get to recognise more slowly: a professor's regular and meditative cigarette-breaks; the swell of activity in the kitchen at 12 each day and the hum of conversation around the lunch-table in the hall; the afternoon drift towards the coffee-machine; the occasional rush to the hall when there is cake (and there is often cake).*

The fellows' offices, like monks' cells, are varied in size and décor. I like the fact that their lay-out is not generic, not identical. The furniture is state-of-the-art Danish design. It creates an atmosphere of creativity and

aspiration. Gradually, each room acquires an identity which expresses the personality and preoccupations of its occupant. We have our Severinus-like scientists whose offices contain strange objects dangling from the ceilings, microscopes, models and other curiosities. We have our bibliophiles, with books stacked even against the windows. The glass writing-boards on the walls are covered in hieroglyphs and cryptograms that speak of physics, the stars, Latin and Greek. Each cell is a place of unique wonder, a portal that transports you to other worlds: the nano-environment inside an atom; Papua New Guinea; black holes; the frozen cores of lakes; the worlds of the past.

#### **INDIVIDUAL AND COMMUNITY**

The rhythms of life and the very architecture of the AIAS building itself cultivate a productive balance between the pursuit of individual projects and the sharing of thoughts. This is a place where the spontaneous combus-



“ One soon discovers that this is a place where powerful changes happen with higher frequency and intensity than elsewhere: you plunge in, you swim, then you leave. ”



AIAS Fellow Ümit Akbey presenting at Fellows' Seminar in the AIAS lecture theatre.





By its nature, an IAS changes in response to its fluctuating personnel, but that does not mean nothing of permanence is accomplished. Fellows are changed by their experiences together, and they bring that influence, energy, and the friendships they have formed, out into the worlds to which they return. “

tion of ideas can take place - and be transformed into reality. It can all start accidentally. When a small group of humanities-fellows were eating their lunch in the lounge one day and speculating on what it was that scientists do in their offices each day... they developed the idea for an innovative Fellows at Work seminar, where fellows from across disciplines could get together, explain and compare the nuts-and-bolts of their daily working methods. The vibrant social life at AIAS is another hotbed for ideas, one of which took the shape recently of a colloquium: *Multidisciplinary, Interdisciplinary, Transdisciplinary Research – What, Why, How?*

AIAS is also frequently home to conferences which open further avenues for exploration. One example is the *Hands of Time* conference on ageing which was held in June 2015. One of the papers was on the topic of sex and the ageing female (delivered by Professor Annamaria Giraldi, Psychiatric Centre, Copenhagen). This led to planning for an event which, taking its inspiration from Plato's Symposium in the fifth century BCE, will approach the topic of sexuality from multi-disciplinary perspectives, integrating past with present.

Transformative experiences can take place in the most casual way. One of the most illuminating of these, for me, happened over lunch when a fellow in medicine (let's call him William of Lund), gave me the greatest reason for believing in the humanities: 'Medicine and science are necessary to live; literature and art are what we live for.'

### HERACLITUS AND THE RIVER

Over my two year fellowship, I have indeed watched AIAS change with the seasons. As the park outside has changed to winter sparseness, then burst into life once again with the miracle that is the Danish spring, inside AIAS changes have also taken place. There are longer rhythms at work under the surface of things. Some of these changes are obvious: for example, the candles that lit the breakfast tables on winter mornings are not needed now. Others are less obvious: the restless energies that throw people together at certain times carry them apart again at others, and there is the steadier ebb-and-flow of old fellows leaving as new ones arrive. Soon, I will leave as well.

AIAS, then, is a monastery only for as long as one is here, but it is not a place one stays forever, nor is it a refuge from the world – even though the peace it offers can make it seem so at first. One soon discovers that this is a place where powerful changes happen with higher frequency and intensity than elsewhere: you plunge in, you swim, then you leave.

Two and a half millennia ago, the Greek philosopher Heraclitus declared that 'You never step into the same river twice... Change is constant... It scatters and gathers again; it comes together and falls away, approaches and departs.' Out of this flux, a meaningful world – a cosmos – emerges. By its nature, an IAS changes in response to its fluctuating personnel, but that does not mean nothing of permanence is accomplished. Fellows are changed by their experiences together, and they bring that influence, energy, and the friendships they have formed, out into the worlds to which they return. I know I will. ■

# MOVING EPIGENETIC RESEARCH INTO PERSONALIZED PATIENT CARE

By: Tomasz K. Wojdacz,  
AIAS-COFUND Fellow

**In a relatively short period of only a bit over 30 years, modern epigenetics has transformed our understanding of not only biological processes but also the origins of diseases. Now the time has come to use our epigenetic knowledge to fight diseases.**

## **EPIGENETICS FOR PERSONALIZED PATIENT CARE**

In principle my research interests focus on epigenetic modifications of genetic material that warrant the expression of correct genes at the correct time of an organism's development and in specific tissues. When those epigenetic modifications are disrupted, for example by environmental factors such as tobacco smoke, cells affected by those changes may develop into cancer. However, apart from the causative role of the changes in cancer pathogenesis, compelling evidence shows that those aberrations have great potential to be used as biomarkers for patient stratification in clinical disease management. In other words, we can test patients for the presence of specific epigenetic changes and use that information to prognosticate, design treatment, monitor disease and patients' recovery.

## **NEW METHOD FOR TESTING CANCER MARKERS**

My adventure with epigenetics started at Aarhus University at a time when scientists in the field of epigenetics were developing methodologies for the experimental work. As a master student, I started working on a new method for testing for epigenetic changes and my continuation of that work in my PhD project led to the development of a new method published in prestigious journals and patented by Aarhus University. This year the method was evaluated for use in diagnostic laboratories in an international study initiated by the EU-based Blueprint Epigenome consortium. The affirming results

of the study were published in the prestigious Nature Biotechnology journal. As this study was performed independently from my own research and thus not influenced by my enthusiasm for the method, I believe it shows that my research is on a positive way to making a difference.

## **AIAS – A RIGHT TIME AND PLACE**

When applying for the AIAS fellowship, I was engaged in research projects in four countries: University of Southampton, UK; Karolinska Institute, Sweden; Pomeranian Medical University, Poland; and Aarhus University, Denmark. The AIAS fellowship gave me a solid base in Denmark to establish a centre for my academic work and to further extend my international collaborations. Denmark and Aarhus University is a place that promotes entrepreneurship. A substantial part of my research has commercial potential and the fellowship allows me to find time to engage with Aarhus University in commercialization of my work. Driving this process is challenging; however, the freedom that my AIAS fellowship provides me with allows me to both pursue my academic work and participate in entrepreneurship initiatives. Overall, the fellowship is an invaluable opportunity for advancing my career as an independent scientist. ■







The objects of study: Vials with three different species of fruit flies.

## GETTING JIGGY WITH IT...ALSO ON HOT OR COLD DAYS? ANIMAL DECISION-MAKING UNDER TEMPERATURE STRESS

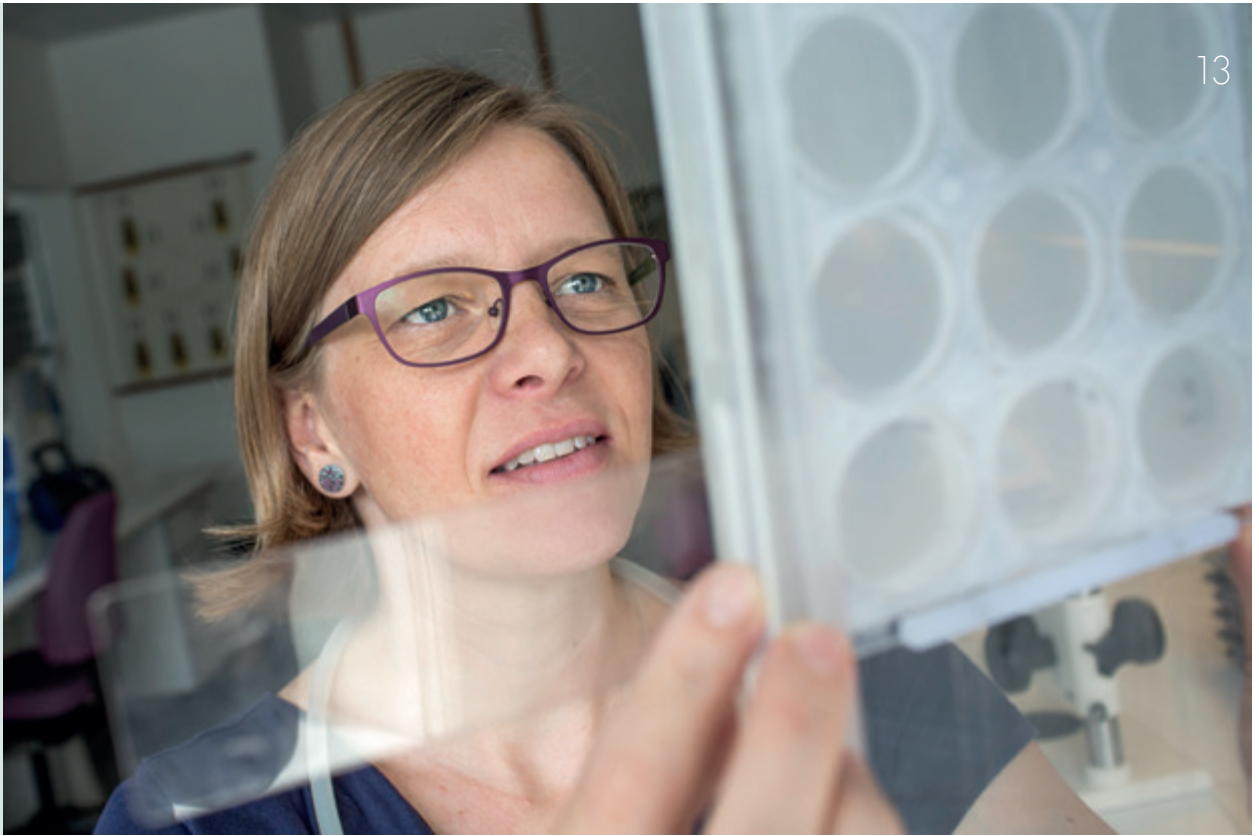
By: AIAS Fellows Djuke Veldhuis and Machteld Verzijden  
AIAS Fellows Djuke Veldhuis and Machteld Verzijden in collaborative project with Postdoc Mads Fristrup Schou, Department of Bioscience, Aarhus University

**How is your decision-making on a hot, humid summer's day? Is it any easier waiting outside in the middle of January in a biting cold wind? Chances are you'll notice a difference in these moments compared to milder weather conditions. Our thinking patterns and decision-making processes are affected by our physical well-being and this may be true for animals too.**

Among the consequences of climate change are increasing and more variable weather patterns. We should expect the unexpected: sudden cold spells in the tropics

and heat waves in temperate and arctic zones. Abrupt changes in temperature cause stress, especially for animals such as insects, reptiles and fish (known as *ectotherms*) that cannot regulate their own body temperature and are at the mercy of the ambient temperature.

Stress is well-known to affect cognitive functioning in humans, and might strongly affect decision-making in animals too. For many animal species, one of the most important decisions is choosing the right partner to mate with. Selecting the 'best' partner is not straightforward



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When stress affects mate choice decisions, this could have serious consequences for biodiversity “

under any circumstances, but the optimal mate choice is particularly difficult when the suitor is stressed and unable to evaluate the available information properly.

When stress affects mate choice decisions, this could have serious consequences for biodiversity: species might start interbreeding more, or produce fewer offspring, which could cause population declines. AIAS Fellows Djuke Veldhuis and Machteld Verzijden put their heads together and launched a study to find out more about exactly these issues.

Djoke Veldhuis is specialized in the effects of stress and environment on human psychology. Meanwhile, Machteld Verzijden works on mate choice, evolution and cognition in animals. Uncovering the effects of temperature stress on mate choice requires them to engage in a cross-disciplinary experimental project, involving the mating decisions of female fruit flies under various forms of environmental temperature stress.

In collaboration with Aarhus University, Bioscience Post-doc Mads Fristrup Schou, who specializes in temperature tolerance and evolutionary genetics, they are subjecting laboratory populations of different species of fruit flies (*Drosophila*) to an environment that is mimicking natural, benign, fluctuations in temperature. When suddenly exposed to a very hot day or a cold night, the next day the females are faced with a decision: will she mate the male that is performing a courtship dance in front of her or not? The male might be from her own species, or a closely related species. Under 'normal' circumstances, female fruit flies do not mate with males of other species, but stress might lead them to make different decisions.

So what are the consequences of freak weather events for mating decisions in insects? Watch this space to find out more! Results coming in a peer reviewed journal in 2017. ■

# LIVING THE METRIC LIFE

By: Btihad Ajana,  
AIAS-COFUND Fellow and King's College London, UK

**Self-measurement and tracking have become commonplace practices in recent years. With the explosion of apps and devices enabling the data capturing and monitoring of the individual's everyday activities, behaviours and habits, an increasing number of people around the world are embracing this culture of self-quantification and tracking in the spirit of improving their health and wellbeing, and charting their fitness progress.**

Back in 2007, Gary Wolf and Kevin Kelly from Wired Magazine established a group under the name, the Quantified Self, a term that captures precisely these growing practices of self-tracking through digital technology, promoting a new type of wisdom: "self-knowledge through numbers". When the trend began, its followers were, as noted in the Economist, 'an eclectic mix of early adopters, fitness freaks, technology evangelists, personal-development junkies, hackers and patients suffering from a wide variety of health problems.' Now, and with the convergence of health apps and mobile devices, anyone with a smart phone, for instance, is likely to be engaged in one form of self-tracking or another, sometimes even unknowingly (as is the case with Apple's Health app which cannot be uninstalled from the phone device).

## UBIQUITOUS MEASURE

What can be measured with self-tracking technologies? Everything, we are being told: sleep patterns, food intake, calorie expenditure, steps walked, heart-rate, glucose levels, and there are even apps and devices that can scan our mood and emotions, our levels of stress and anxiety as well as our very intimate "sexual performance". And in economic terms, measuring the body and its activities is becoming a very profitable industry. According to the research company Statista, it is estimated that the market value of smart wearable technologies will be reaching 53.2 billion US Dollars in 2019.

## ETHICAL AND POLITICAL IMPLICATIONS

While this growing trend of self-tracking and quantification is often couched in positive promotional terms that highlight its value to the users and to their mental and physical health, it is also raising a host of concerns, ranging from privacy, surveillance and data ownership issues, to concerns about the excessive self-involvement and the pressure of self-improvement that often underscore the Quantified Self practices and ethos.

In my current AIAS project, "The Over-examined Life: Body governance and the rise of the Quantified Self", I set about investigating users' experiences of self-tracking technologies and how such technologies are reshaping their understanding of health, their relation to their bodies, and the effects of these practices on their everyday life. Through a combination of empirical methods (online survey and in-depth interviews) and socio-philosophical analysis, I critically examine the various dynamics and wider implications of this rising culture of self-tracking, highlighting some of the pertinent ethical and political issues that warrant scholarly examination and critical engagement.

On 15 June 2016, I ran the project workshop "The Quantified Self and the Rise of Self-tracking Culture" at AIAS that brought together local and international scholars to debate the various facets, applications and implications of the Quantified Self. The workshop enabled a deep-





### About the Project



Metric Life is a digital platform relating to the Marie Curie (COFUND) project. The Over-examined Life Ontologies of the Quantified Self undertaken by Btihaj Ajana from Aarhus Institute of Advanced Studies and King's College London. The project addresses the rising practices of self-tracking and fitness monitoring through digital devices and apps, which have become prevalent in recent years. Spurred by movements such as the Quantified Self, a growing number of people around the world are now embracing this culture of quantification and tracking in the spirit of improving their health and wellbeing, and charting their fitness progress.

[More »](#)

### About Dr Btihaj Ajana



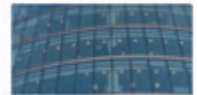
Btihaj Ajana is an Associate Professor and Marie Curie Fellow (COFUND) at the Aarhus Institute of Advanced Studies where she is currently undertaking her research project on self-tracking and the Quantified Self culture. She is also Senior Lecturer in Culture, Digital Humanities and Creative Industries at King's College London. Her teaching and research interests are concerned with the areas of culture and identity, ethics and politics, and the philosophy of digital media and technologies. She is the author of *Governing through Biometrics: The Biopolitics of Identity* (Palgrave, 2013), a book that provides a critical analysis of the various socio-political and ethical implications of identity systems, specifically in relation to policies of immigration and citizenship.

You can find more details on Btihaj's academic work [here](#).

### Survey

Take part in the project's short [survey](#) to tell us about your experience of using self-tracking technologies.

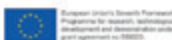
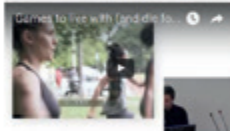
#### Tweets by greenCLUE



Digital health lines: Patients, health, HealthMine, a patient network platform... [healthmine.com](#)

[Embed](#) [View on Twitter](#)

### Featured Events and Multimedia





er understanding of this rising phenomenon and how it is reshaping our relation to our bodies and their vital aspects.

#### **PUBLIC ENGAGEMENT AND OUTREACH IN FOCUS**

In addition to the traditional academic activities and outputs of the project (participation in conferences and academic publications), this work also seeks to achieve a wider outreach and engage with diverse audiences outside the immediate confines of academia. An impact

strategy and a set of outreach activities have been implemented to maximise the project's exposure and involve a variety of relevant actors in the process. For instance, a website is being developed for the project under the name Metric Life ([www.metriclife.net](http://www.metriclife.net)) which acts as both an information portal for the project's aims, activities and outputs as well as an online platform to engage users and audiences interested in the topic of the Quantified Self and its practices. The latter involves a public curatorial space where people can submit their

“

Although smart wearable technologies offer various benefits for health monitoring and management, there is also a need to be vigilant about the kind of future that is being designed through the infiltration of such technologies in everyday life where self-tracking and health data monitoring is at risk of becoming the norm rather than a voluntary option. ”





# FELLOWS 2015-2016





'AIAS is both a place of work and a community, whose **sum is more than its individual components**' (AIAS Fellow Karen ní Mheallaigh). This AIAS 'sum' has been composed of **41 fellows** from **32 different research institutions** and of 18 different nationalities in the academic year of 2015/16. AIAS Fellows come from **all academic main areas** to do cutting edge research under one roof, creating **a dynamic and international place** with space for **cross-pollination**.




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**ALEXANDER PANAYOTOV**

AIAS COFUND Junior Fellow

Postdoc, previously Faculty of Divinity, University of Cambridge, United Kingdom

**Area of research: Jewish Studies**

**Project title:** 'Minority status and identity: A case study of the Jewish minority in Byzantium'

My project aims to investigate the social and economic relations in the Byzantine empire that influenced the communal and everyday life of the Jewish communities between the fourth and the seventh century. It will recover a neglected area of history, and contribute to the study of minorities within larger political structures. Geographically, the project will include the areas of the Balkans, the Aegean, Asia Minor and Cyprus. In order to establish the place Jews occupied in the stratigraphy of Byzantine society, I will focus my research on the communal organisation and leadership of the Jewish community, the social status, occupation and cultural concerns of its members.




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**ALFONSO BLÁZQUEZ-CASTRO**

AIAS COFUND Junior Fellow

Postdoc, previously Department of Biology Autonomous University of Madrid, Spain

**Area of research: Biophotonics**

**Project title:** 'Cell modulation and stimulation through laser photodynamic treatments at the single cell level'

This research project aims at inducing controlled physiological responses in human cells using lasers to produce small amounts of reactive oxygen species (ROS). This ROS generation allows for modulation of the cellular signalling network that controls cell fate (proliferation and cell death). As a direct consequence of my AIAS-COFUND project a novel procedure to excite molecular oxygen by infrared laser light within a targeted cell has been developed. Making use of this approach I have found evidence of an increased proliferation rate in those cells exposed to the laser beam.




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**AMY ILER**

AIAS COFUND Junior Fellow

Postdoc, previously Department of Biology, University of Maryland, USA

**Area of research: Ecology**

**Project title:** 'Mechanisms underlying interspecific variation in flowering responses to climate change'

My research focuses on plant responses to climate change in montane and arctic ecosystems, areas of the world experiencing rapid shifts in climate. My project combines two long-term datasets of flowering dates from Colorado, USA and Greenland. I have found that sensitivity of flowering time to climate appears mainly to be plastic in these habitats, meaning that earlier flowering dates are likely to include little adaptive change. An interdisciplinary collaboration with AIAS fellow Alfonso Blazquez-Castro in Colorado revealed that flower albedo plays an important yet unstudied role in feedbacks between vegetation and climate change.

**ANJA KAMP**

AIAS COFUND Junior Fellow

Postdoc, previously Molecular Life Science Research Center, Jacobs University Bremen, Germany

**Area of research: Marine ecology****Project title:** 'Diatoms in Darkness and Anoxia'

The microbial nitrogen cycle is one of the most complex and environmentally important element cycles on earth and has long been thought to be mediated exclusively by bacteria. Rather recently, I discovered that also diatoms - photosynthetic protists that can be found in open waters and on the sea floor in very high abundances - can use nitrate for "breathing" in the absence of oxygen. My AIAS fellowship gives me the opportunity to focus on further exciting studies within this field, incl. discoveries of novel metabolic pathways, ecological significance and much more.

**BJØRN PANYELLA PEDERSEN**

AIAS COFUND Junior Fellow

Assistant Professor, previously Dept. of Biochemistry and Biophysics, University of California, USA

**Area of research: Molecular Biology****Project title:** 'Molecular Mechanism of Sugar Uptake in Humans'

The project supported by my AIAS fellowship addresses fundamental scientific questions pertaining to an essential membrane transport system in humans; namely facilitated sugar transport. We address this system using a set of methods founded in macromolecular crystallography to elucidate structural information. Our work will help to uncover general principles of facilitated diffusion systems. Furthermore an improved understanding of sugar homeostasis has tremendous potential for improving the general public health, and our work will stimulate pharmacological efforts to identify and develop compounds of therapeutic value for e.g. obesity, diabetes and cancer.

**BTIHAIJ AJANA**

AIAS COFUND Junior Fellow

Associate Professor, King's College London, United Kingdom

**Area of research: Digital Culture****Project title:** 'The Over-examined Life: Body Governance and the rise of the Quantified Self'

My research project is concerned with the rising practices of self-tracking and fitness monitoring through digital devices and apps. In recent years, there has been an abundance in the techniques and technologies that enable the collection and computation of data regarding one's biological functions and habits. While at AIAS, I focus on some of these practices in order to provide deep insights into these emerging trends, and a critical assessment of their socio-ethical implications. I combine empirical studies with philosophical analysis to address the questions raised throughout this research project.





### CHRISTIAN ULRIK ANDERSEN

Jens Christian Skou Junior Fellow

Associate Professor, Ph.D., Department of Aesthetics & Communication (Digital Design), Aarhus University

#### Area of research: Software studies

**Project title:** 'Vector Space – The aesthetics of contemporary interface culture'

My research at AIAS has addressed how massive accumulation and processing of data (by Google, Amazon, Apple, Facebook, etc.) creates a multi-dimensional networked space. The basic assumption has been that digital culture and web based information systems have changed from being primarily focused on information retrieval to being focused on multiple data streams. My interest has been in how this affects cultural forms, and is reflected in artistic practices. The result of my stay is a manuscript for a book entitled *The Interface After the Interface – Tendency in Contemporary Interface Arts*.



### CONSUELO MANETTA

AIAS COFUND Junior Fellow

Postdoc, previously Department of History, Culture and Society, University of Tor Vergata, Rome, Italy

#### Area of research: Classical archeology

**Project title:** 'The Different Faces of the Sky – decorative culture, floral, astral and mythological representations within figural coffered ceilings'

My research focuses on the analysis of sculptured and/or painted figural coffered ceilings in Greek and Roman areas between the Late Archaic (500 BC) and the Late Antique periods (Fourth – Fifth century AD). Though sunken panels have been frequently used as a decoration for ceilings or vaults in ancient times, the partial state of our knowledge of the motifs, which decorated these architectural features reflects the happenstance and fragmentary nature of the discoveries themselves. My study aims to offer an iconographic and iconological reading of the figurative repertoire within the lacunars in a diachronic perspective. I am particularly interested in verifying how effective the use of astral themes within ceiling decoration was. Currently, I am working on a forthcoming book publication and on writing articles on topics related to my project and within my fields of expertise.



### DARIN STEPHANOV

AIAS COFUND Junior Fellow

Postdoc, previously University of Jyväskylä, Finland

#### Area of Research: Comparative Imperial History

**Project title:** Monarchic Visibility, Public Space, and Collective Identities in the Romanov and Ottoman Empires (1825-1908). A Comparative Study of the Finnish and Bulgarian Trajectories of Communal-cum-National Consciousness

My project traces the origins, nature and evolution of the cycles of symbolic interaction between a cross-section of Finns and Bulgarians (the ruled) and their respective Romanov and Ottoman monarchs (the rulers). The new imperial policies of royal image making, along with the discourses and practices spun around them, unlocked a complex process of extension of long-standing localized micro forms of belonging and their linkage to the center for a new imperial *macro* form of belonging at the popular level. In short, this signaled the advent of modernity.



### DJUKE VELDHUIS

AIAS COFUND Junior Fellow

Postdoc, previously University of Cambridge, United Kingdom

#### Area of research: Biological anthropology

**Project title:** 'Stress in modern human populations: a biocultural approach to assessing the costs and limits of adaption'

My research encompasses biological and social sciences to answer questions about evolution, particularly the costs and limits of adaptation, through biocultural stress measures in human populations. Current projects include: one providing an evolutionary, physiological and psychological perspective on human responses to horror in films and virtual reality as well as 'scare houses'; another examining the effects of temperature stress on mate choice, fertility and activity in fruit flies (in collaboration with AIAS Fellow Machteld Verzijden); as part of a wider study assessing inter-group cooperation over environmental resources, I am also undertaking ethnographic fieldwork among the Tlingit Indians Alaska (alongside AIAS Fellow Jessie Barker).



### DOROTHEE BIRKE

AIAS COFUND Junior Fellow

Associate Professor, Previously, English Department, University of Freiburg, Germany

#### Area of research: English Studies

**Project Title:** 'Situating Homelessness on the Contemporary British Stage'

My project examines how contemporary dramatic texts engage with debates on homelessness as one of the great challenges in an era of mass migration and austerity measures. I argue that as a spatial art with a long political tradition, the genre of drama is especially well disposed to invite audiences to consider questions of social responsibility, but also to confront their own anxieties about economic instability. Considering a corpus of plays from the 1990s to the present day, I am writing the first book-length study on how dramatic texts reflect the highly precarious and contested character of 'home' in Britain today.



### FRANTS H. JENSEN

AIAS COFUND Junior Fellow

Postdoc, previously Department of Ecology & Evolutionary Biology, Princeton University, USA

#### Area of research: Biology

**Project title:** 'Movement coordination, leadership and collective foraging in matrilineal toothed whales'

Social animals rely on collective actions to solve ecological problems ranging from finding and catching food to avoiding predation. At AIAS, I investigate how highly social animals reach consensus decisions and coordinate movement and activity with other group members. I use small sound and movement recording tags attached to small groups of matrilineal pilot whales to quantify coordination and underlying acoustic interactions in situ. This allows me to test how different individuals influence collective decisions and to ultimately understand the behavioral interaction rules shaping collective movement in social animals.



### IRYNA MAZHAK

AIAS COFUND Junior Fellow

Associate Professor, previously National University 'Kyiv Mohyla Academy' Kyiv, Ukraine

#### **Areas of Research: Public Health and Social Sciences**

**Project title:** 'The Social Determinants of Health and Health Inequities among Working-age Population in Ukraine'

My interdisciplinary project focusses on social determinants of health (SDH) and health inequalities. An explanatory sequential mixed methods design is used to analyze the SDH and health inequities among working-age Ukrainian population; identify indicators for monitoring health inequities; and, develop an evidence-based model for a new approach to public health policy in Ukraine aiming to reduce health inequities. My field research includes a nationwide survey of health inequalities and in-depth interviews with people experiencing vulnerability in health. Also, I develop case studies of good policy practices to tackle health inequalities for potential adoption in Ukraine.



### ISABEL KUSCHE

AIAS COFUND Junior Fellow

Associate Professor, previously Institut für Sozialwissenschaften, University of Osnabrück, Germany

#### **Area of Research: Political Sociology**

**Project Title:** 'Non-programmatic Politics in Times of Fiscal Crisis'

My project asks how political parties attempt to secure voters' support at a time at which fiscal crisis renders political promises involving public spending for new programs both unlikely and non-credible. Against the backdrop of the recent European financial and sovereign debt crisis, I enquire which strategies parties in Spain, Greece, Ireland and Great Britain have employed in order to reconcile a turn to harsh austerity measures with the aim to do well in elections. My analysis is guided by the hypothesis that the parties respond with non-programmatic politics, which either channels resources to the most likely supporters or does without public spending.



### JAN ALBER

AIAS COFUND Junior Fellow

Dr., Associate Professor, previously University of Freiburg, Germany

#### **Area of research: English studies**

**Project title:** 'Ideology and Form: The Experimentalism of Recent Australian and Indian-English Prose Narratives'

At AIAS, I am working on the negotiation of Aboriginal identities in contemporary Australian prose narratives. More specifically, I compare self-representations by indigenous authors (such as Kim Scott, Sam Watson, and Alexis Wright) to the ways in which non-indigenous writers (such as Kate Grenville, Andrew McGahan, and David Malouf) address Aboriginality. While indigenous narratives display a movement towards more resilience and playful experimentation, the non-Aboriginal prose texts critically deal with the psychology of the white community in the past and today. I am interested in the ideological ramifications of these negotiations.



### JESSICA BARKER

AIAS COFUND Junior Fellow

Postdoc, previously Ecology and Evolutionary Biology, University of Arizona, USA

#### Area of research: Evolutionary biology

**Project title:** 'Inter-group environmental dilemmas: can we scale up from local to global cooperation?'

I study the evolution of cooperative behavior: when and why individuals are willing to benefit others, often at a cost to themselves. There is evidence that people have evolved to favour members of their own group at the expense of people in other groups, but the factors that affect cooperation among multiple groups remain largely unknown. Since beginning my AIAS fellowship in February 2016, I have started a field study of inter-group cooperation among Alaska Natives. This project combines methodology from anthropology, psychology and economics to assess Tlingit participants' perceptions of group identity and its effects on their behavior. I have also been invited to co-author a review for *Biology Letters* on the ecology and evolution of inter-group cooperation in humans and other animals.



### JULIETA GOENAGA

AIAS COFUND Junior Fellow

Postdoc, previously Evolutionary Biology Center/Animal Ecology Department, Uppsala University, Sweden

#### Area of research: Biology

**Project title:** 'Sexual selection and the evolution of male and female reproductive proteins'

Seminal proteins (SFPs), transferred to female at mating, tend to evolve rapidly and divergently and this rapid evolution may be primarily driven by natural selection. Given their role in modulating male and female reproductive phenotypes, the evolution of SFPs could play a key role in speciation. My project at AIAS combines the study of macro evolutionary patterns of SFPs with the study of micro evolutionary processes in SFPs. Here, I use a novel experimental strategy to shed light into the evolutionary forces driving SFPs divergence and its role as an engine in speciation.



### JÜRGEN ELVERT

AIAS COFUND Senior Fellowship

Professor Dr., Department of History, University of Cologne, Germany

#### Area of research: History

**Project title:** 'A Maritime History of European Civilization. A joint research-project'

My project understands European expansion and contacts with non-European civilizations as a basically open system. It is evident that the self organization powers of this open system have not only shaped Europe's relations with the "other" but also transformed Europeans and European civilization. The relationship between Europe and the world thus has to be considered as an *histoire croisée* or entangled history. I furthermore consider this history as the outcome of "activities of the contingent" with an inherent organizing principle, which have, in a complex and dynamic process, transformed both Europe and large parts of the world. The project is designed to carve out the basic patterns of this principle and will try to explain the process-mechanisms which have shaped both European civilization and today's world. The project's results will be presented in an exhibition, to be shown in the Deutsches Historisches Museum, Berlin, from June 2018 to January 2019, and a book *Maritime History of European Civilization*, to be published with Deutsche Verlagsanstalt, a Randomhouse Company, in 2017.




**KARL-ERIK ANDERSSON**

Dale T. Mortensen Fellow

Professor, MD, previously Wake Forest Institute for Regenerative Medicine, USA

**Area of research: Urogenital physiology/pharmacology**

**Project title:** 'Aging bladder dysfunction'

The project is focused on the relation between increasing age, atherosclerosis and reduced blood flow to the bladder as a cause of lower urinary tract dysfunction, such as incontinence. In a rat model of chronic pelvic organ ischemia we have shown that reduction of bladder blood flow causes changes in bladder structure and function similar to those often seen in the elderly: increased bladder fibrosis, decreased bladder contractility and bladder overactivity. We have now also been able to show that these changes may progress to inability to empty the bladder, and that it is pharmacologically possible to stop or delay this process.


**KAREN NÍ MHEALLAIGH**

AIAS COFUND Junior Fellow

Dr., Senior lecturer, Department of Classics and Ancient History, University of Exeter, United Kingdom

**Area of research: Classics and Ancient History**

**Project title:** 'Discovering the ancient scientific imagination'

This year has been one of contrast between busy conference-travel (Cambridge, Texas and Paris), and intense but blissful periods on the Moon. I have spent my time refining and expanding my book on the Moon in ancient thought, and completing the groundwork for two additional major publications: an edited volume of essays on Antonius Diogenes' novel, the direct result of a conference held at AIAS last year, which will include a new text and translation; plus a project on Plutarch's philosophical/scientific dialogue, *On the face of the Moon*.


**KARIN LYKKE-HARTMANN**

Jens Christian Skou Senior Fellow

Associate Professor, Department of Biomedicine, Aarhus University, Denmark

**Area of research: Biomedicine**

**Project title:** 'Modeling Early Development'

Regulation of cellular processes can be accompanied by, e.g. genetic mutations and DNA methylation (chemical modification of our DNA). Female and male cells inherit a given DNA methylation, which, during embryonic development, is subjected to regulative processes. During embryonic development, such DNA methylation patterns are erased and re-defined, except certain areas specifically contributed by the mother or father which are referred to as imprinted regions. My group works with maternally-contributed molecular factors that control imprinted areas. Failure can cause embryonic death and genetic diseases such as neonatal diabetes, deafness, dementia and cancer.



### KIRILL POSTOUTENKO

AIAS COFUND Senior Fellow

Professor, Comparative literature, University of Helsinki, Finland

#### Area of Research: History of Concepts

**Project title:** "Beasts" vs. "Supermen": Asymmetrical Mapping of Conceptual Landscapes in Bolshevik Russia, Nazi Germany and 'New Deal'- United States"

Asymmetrical concepts are non-consensual attributions of identities, states and evaluations based on political and communicative supremacy: calling someone 'Untermensch' is only possible if the adversary (in this case – a Jew in Nazi Germany) is deprived of a chance to respond. I am interested in the specific roles and functions of such attributions in two "totalitarian" (Soviet Union, Nazi Germany) and one "democratic" ('New Deal'-United States) countries in 1933-1939. The special attention is paid to the correlation between asymmetrical concepts and socio-political asymmetries and the interplays between mainstream conceptual asymmetries and other forms of semantic manipulation such as deictic references to time and space.



### LOTTE PHILIPSEN

Jens Christian Skou Junior Fellow

Postdoc, Department of Aesthetics and Communication, Aarhus University, Denmark

#### Area of research: Contemporary art

**Project title:** 'Artistic use of new technologies and new media'

In my research at AIAS I investigate how new technologies and new media are used aesthetically. I am interested in works of art that seem to walk the line between the established scene of contemporary art and technical invention in a broader cultural sphere (like DNA manipulation, cloud computing etc.) I test how such works of art comply with, challenge, and expand existing theory of art and aesthetics. In close collaboration with AIAS fellow Rikke Schmidt Kjærgaard I am currently editing a cross-disciplinary book entitled *The Aesthetics of Scientific Data Representation* to be published by Routledge.



### MACHTELD VERZIJDEN

AIAS COFUND Junior Fellow

Postdoc, previously Lund University, Sweden

#### Area of research: Biology

**Project title:** 'The evolution of the ability to learn in choosing a mate'

I am interested in what shapes mating preferences of animals, and the effect of these preferences on evolution. Mate choice is key to a number of evolutionary processes, including sexual selection, speciation and life history, because it directly influences which genes make it to the next generation. During my AIAS fellowship, I focus on the genetic mechanisms that allow individuals (of fruit flies) to learn, and the ability of populations to evolve an increased ability to learn. This allows me to experimentally study the effects of learning on evolution in general and sexual selection specifically.



### MADS VAARBY SØRENSEN

AIAS COFUND Junior Fellow

Associate Professor, previously Institute of Anatomy, University of Zürich, Switzerland

#### Area of research: Renal physiology

**Project title:** 'The renal natriuretic response following an acute potassium intake'

Potassium (K<sup>+</sup>) rich diets are known to protect against hypertension, but high K<sup>+</sup> intake also exerts a homeostatic challenge for the organism. The amount of K<sup>+</sup> in our bodies is the major determinant of cellular volume and resting membrane voltages. The latter is of crucial importance for vital function of heart, nerves and muscles. K<sup>+</sup> must therefore be eliminated rapidly following ingestion of a K<sup>+</sup> rich meal. The kidneys are the most important organs for elimination of K<sup>+</sup>. My research relates to the renal response to high K<sup>+</sup> intake in relation to the protective effects against hypertension.



### MAGNUS KJÆRGAARD

AIAS COFUND Junior Fellow

Assistant Professor, previously Department of Chemistry, University of Cambridge, UK

#### Area of research: Molecular Biology

**Project title:** 'Can a cooked noodle store information? The mechanisms of disordered proteins in synaptic plasticity'

My AIAS project studies the mechanisms of proteins that contribute to memory formation and consolidation in the brain. Memories are stored in the physical structure of the brain, and particularly in the way neurons communicate with each other in the synapse. My work centers on the receptors that detect signals sent between neurons in the synapse, which we investigate using biophysical tools. The long-term goal is to understand why some experiences are forgotten after five minutes, while others are stored for a life-time.



### MARIE BRAAD LUND

Dale T. Mortensen Junior Fellow

Postdoc, previously Department of Environmental Earth System Science, Stanford University, USA

#### Area of research: Microbiology

**Project title:** 'Faithful but not enslaved: Drives of genome evolution in microbial symbionts'

I study the evolution of symbiotic bacteria in animal hosts using the common earthworm as a model system. All earthworms have specific symbiotic bacteria in their nephridia (kidney-like organs). The extracellular symbionts are transferred directly from the parent generation to the offspring and are highly host-dependent. Using a combination of population ecology methods and whole genome analysis of the symbionts, I investigate which evolutionary drivers shape the evolution of these host-restricted symbionts. This research will provide novel insights into the factors driving the genome evolution of host-associated microbes – both beneficial and pathogenic.




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**MARI HATAVARA**

AIAS COFUND Senior Fellow

Professor, Finnish Literature, University of Tampere, Finland

**Area of research: Literary studies**

**Project title:** 'Mediating Experience: Voices, Images and Narrative Self'

During my stay at AIAS I am working on the project "Mediating Experience: Voices, Images and Narrative Self". My research studies the autobiographical processes of making sense and communicating experience, as well as the narrative modes of attributing minds of the others and telling stories of vicarious experience. The research materials will consist of case studies ranging from sophisticated autobiographies to the emergent narrative practices in narrative journalism and social media and to conversational storytelling in online interview archives. This research asks, how do different narrative techniques enable representing and communicating the experience of one's own and that of another.




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**MARTIN HOLMSTRUP**

Jens Christian Skou Senior Fellow

Professor, Arctic Research Center, Department of Bioscience, Aarhus University, Denmark

**Area of research: Biology**

**Project title:** 'Evolutionary responses of soil invertebrates to global warming'

I am broadly interested in the capacities of soil invertebrates to cope with major environmental stresses such as drought and extreme temperatures, and how climate change will inflict on communities of soil animals. My project aims at answering the question 'Can species adapt to climatic changes at a rate that matches the rate of climate change?'. The main goal is to study evolutionary responses of free-ranging populations subjected to rapid climatic changes by investigating important physiological traits such as thermal performance, metabolic rate and membrane lipid chemistry.




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**NAICHENG WU**

AIAS COFUND Junior Fellow

Postdoc, previously Kiel University, Germany

**Area of research: Hydroecology**

**Project title:** 'Developing a risk assessment system to evaluate the impacts of future land use and climate scenarios on aquatic ecosystems - an interdisciplinary model-based synthesis'

Global change caused by societal, economic and technical developments poses significant threats to freshwater ecosystems. My research at AIAS is using an interdisciplinary model-based synthesis to evaluate the human mediated impacts on river organisms and develop sustainable strategies for aquatic ecosystems under rapid global change. The study will address three major topics: risk assessment, management scenarios and integrated ecohydrological modelling. Currently, I am working with the first approach to assess the impacts of intensive agricultural landuse on river ecosystems (Gudenå river, as a case study) by means of riverine algae community.





#### **ORIETTA DORA CORDOVANA**

AIAS COFUND Senior Fellow

Associate Professor, previously School of History, Classics and Archaeology, University of Edinburgh, United Kingdom

#### **Area of research: Ancient history**

**Project title:** 'Ancient Ecosystems. The Roman Frontier in Britain and North Africa'

The topic of my research at AIAS is the Roman frontier in two sample areas, Britannia and North Africa. I propose to adopt a multidisciplinary approach and concentrate my research focus especially on the legal status of lands in marginal areas, as well as the human interaction with and impact on the environment at the socio-economic level. The main goals of my research are a better understanding of the impact of Roman imperialism especially in marginal areas of the Empire, political and economic responses to it, and cultural appropriations on the part of the native populations. In April 2016, I have organised the international conference *Bifocal Perspectives on the Black Sea: Macro- and Microcosms* in collaboration with fellow Consuelo Manetta and AU researchers.



#### **ÓSCAR JOSÉ MARTÍN GARCÍA**

AIAS COFUND Junior Fellow

Postdoc, previously Department of History, University of Castilla-La Mancha, Spain

#### **Area of Research: History**

**Project Title:** 'United States public diplomacy in 1960-1970s Spain and Portugal. Modernization, education and post-authoritarian regime change'

My current research project analyses the US public diplomacy intended to disseminate the ideas of modernization in the university education systems of Spain and Portugal. I combine a number of aspects of transnational history, intellectual history, and democratization studies to examine the American soft power used to familiarize Spanish and Portuguese students with the principles of modernization as a tool for bringing about their ideological reorientation. In this way, I seek to understand the role of modernization in the subtle exercise of American hegemony through transnational mechanisms of ideological alignment.



#### **PAUL W. DENTON**

Jens Christian Skou Junior Fellow

Associate Professor, Department of Clinical Medicine, Aarhus University, Denmark

#### **Area of research: Infectious Diseases**

**Project title:** 'HIV Latency in the Gastrointestinal Tract'

The goal of my fellowship project was to characterize responses to novel therapies in the intestines of HIV patients. Noteworthy accomplishments during this fellowship include: (i) hosting Dr. Jacob Estes from the US NIH – Frederick National Laboratory, an imaging expert whose advice accelerated our research progress; (ii) my student, Ane Bjerg Christensen, presenting project data at an international scientific conference in Miami, Florida; and (iii) publishing project data in a peer reviewed journal. Completing this project has filled a critical knowledge gap that is now facilitating appropriate tissue targeting during novel HIV cure therapeutic interventions.



### RIKKE SCHMIDT KJÆRGAARD

Jens Christian Skou Junior Fellow

Associate Professor, Interdisciplinary Nanoscience Center (iNANO), Aarhus University, Denmark

#### Area of research: Scientific data visualization

**Project title:** 'Interdisciplinary visual approaches to molecular and nanoscale data analysis'

My research focuses on how to represent scientific data visually. I'm particularly interested in analysing and developing integrated methods and tools for visualising clinical and biological data. Through analysis of existing visual representations and tools my research aims to develop optimised visual processes in terms of graphic design, 3D animations, and interactive real-time solutions for clinical and biological data. I am currently working on a co-authored book for Cold Spring Harbor Laboratory Press on the subject of visual communication of scientific data; and, together with AIAS Fellow Lotte Philipsen, an edited book for Routledge on aesthetics and scientific data representation. I have recently started collaboration with clinicians, researchers and medical doctors at Rigshospitalet in Copenhagen and Regionshospitalet Viborg to advance data visualisation for cancer patients and intensive care patients.



### RIMA OBEID

AIAS COFUND Senior Fellowship

Associate Professor, Department of Clinical Chemistry, University Hospital of the Saarland, Germany

#### Area of research: Clinical pharmacology

**Project title:** 'Hidden milestones in the roadmap of shipping cobalamin from food into the cell'

My research at AIAS is concerned with 1) metabolic pathways that are affected by nutritional components such as methyl donors, choline and cholesterol; 2) how modifications in nutrition can affect chronic and severe diseases such as neural tube defects and atherosclerosis. One of the ongoing projects is on the effects of the anti-diabetes drug, metformin, on cobalamin status and cellular protein expression. My research aims at guiding nutritional recommendations in chronically ill people and during critical life phases such as pregnancy, early life and aging. This year, I have also worked on a book manuscript to the forthcoming publication *Vitamin B12: advances and insights* (CRC Press) out in the end of 2016.



### RONALD FISCHER

AIAS COFUND Senior Fellow

Associate Professor, School of Psychology, Victoria University Wellington, New Zealand

#### Area of research: Psychology (Cultural and Evolutionary Psychology)

**Project title:** 'Why seek pain? An exploration of motivations and outcomes of seeking painful experiences in social settings'

I am cultural psychologist interested in the multi-level interactions between biological, psychological and cultural processes. My project examines effects of voluntary pain displays on actors and observers within diverse cultural contexts. Last year, I conducted a large-scale field study in Thailand and am currently running laboratory studies to experimentally follow-up these field observations. My overall research is motivated by broader questions on the evolutionary function of collective ritual, the role of psychological processes in the experience of pain and relationships with well-being and social cohesion.



### SONIA CORIANI

AIAS COFUND Senior Fellow

Associate Professor, Department of Chemical and Pharmaceutical Sciences (DSCF), University of Trieste, Italy

#### Area of Research: Theoretical and Computational Chemistry

**Project title:** 'Response to challenge: Coupled Cluster Response methods for challenging light-matter interactions'

At AIAS I work on the development of reliable response methods to describe x-ray photoabsorption, photoionization and sophisticated optical effects in presence of external magnetic fields. With my collaborators, I proposed an efficient scheme within the coupled cluster ansatz to compute near-edge absorption and core-ionization spectra of ground and excited states, and are using it to investigate, e.g. the ultrafast decay process of nucleobase thymine after photoexcitation to a  $\pi\pi^*$  state. We also presented the first computational protocol for magneto-chiral dichroism, an effect thought to play a role in the homochirality of life, and are applying it to the rational search of biologically relevant molecules with detectable response.



### TOKE THOMAS HØYE

Jens Christian Skou Junior Fellow

Senior Researcher, Department of Bioscience, Aarhus University, Denmark

#### Area of research: Bioscience

**Project title:** 'Ecological responses to rapid climate change in the Arctic'

During my AIAS project, I have shown that even closely related species exhibit very different responses to year-to-year variation in temperature in the Arctic. This has led to publications on variation in body size, timing of flight seasons, and abundance of Arctic insects and spiders. Interestingly, my studies have identified habitat variation as a critical determinant of animal responses to climatic variation. This has prompted me to launch a new, ambitious fieldwork program for Arctic arthropod research in Greenland to further investigate the interactions among habitat quality and climate change.



### TOMASZ K. WOJDACZ

AIAS COFUND Junior Fellow

Associate Professor, previously Institute of Environmental Medicine, Karolinska Institutet, Sweden

#### Area of research: Translational epigenetics

**Project title:** 'Novel methylation biomarkers for breast cancer clinical management'

Breast carcinoma is the most common cancer in women. Despite of significant progress in breast cancer treatment breast cancer patients with similar clinical and pathological features still display a widely varying disease course. This emphasizes urgent need to develop novel biomarkers that can be used to stratify patients for personalized treatment. In my project supported by AIAS, I aim to investigate the involvement of the epigenetic changes in breast cancer development and identify and clinically validate biomarkers that can potentially be used in personalization of breast cancer treatment.

**ÜMIT AKBEY**

AIAS COFUND Junior Fellow

Assistant Professor, Leibniz Institute für Molekulare Pharmakologie Berlin, Germany

**Area of research: Structural Biology****Project title:** 'Fighting Bacterial Infections by Targeting Key Proteins'

Most bacteria form biofilms to survive under stress-inducing conditions and resistant to antimicrobial agents and host immune system. Insoluble proteins in the form of fibrils and molecular assemblies are the most crucial components supplying the structural integrity, so the antimicrobial resistance-infection. However, very little structural information is known on biofilms and their amyloid proteins. We aim to understanding the structural features as an important step towards development of successful therapeutics for infectious bacteria protected in robust biofilms. The primary goal of my project is to determine the first atomic-resolution structures by using advanced Nuclear Magnetic Resonance spectroscopy. The results obtained from my research will be of great importance for understanding and treating functional amyloid related diseases caused by bacterial biofilms. As a result, clever design and optimization of anti-biofilm drugs targeting fibrils can be achieved.

**XUHUI DONG**

AIAS COFUND Junior Fellow

Associate professor, Chinese Academy of Sciences, Nanjing Institute of Geography and Limnology, China

**Area of research: Environmental change and geography****Project title:** 'Quantitative assessment on ecological changes and the contribution from climate in remote Greenland lakes: a multidisciplinary study'

My AIAS project is using multidisciplinary methods (biological and isotope signals preserved in fossil chironomids) to quantitatively track environmental change across various spatiotemporal scales based on Greenland lake sediments. The research findings in this project will serve for comparison purpose with other aquatic ecosystems (i.e. strong human impacted Yangtze shallow lakes in China) to understand different ecological trajectories and mechanism of environmental changes. So far, I have made progress on the Chironomid identification and the lab protocol for isotopic measurement. Meanwhile, I have 2 first-authored papers online and several co-authored papers published.





# FELLOWS' PUBLICATIONS AND ACTIVITIES



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## PUBLICATIONS: BOOKS, BOOK CHAPTERS

**Jürgen Elvert** is author of the book chapter 'Horst Günter Krenzler (1933-2012): A life for Europe' in: *Trade policy between Law, Diplomacy and Scholarship. Liber Amicorum in memoriam Horst G. Krenzler* (European Yearbook of International Economic Law, special issue) by Christoph Herrmann et al (Eds.). Cham, Heidelberg, New York, Dordrecht, London: Springer, 2015.

**Orietta Cordovana** is author of the book chapter 'Note su alcune dinamiche di relazioni culturali in Africa romana' in: *L'Africa romana XX. Momenti di continuità e rottura: bilancio di 30 anni di convegni L'Africa romana* by P. Ruggeri, M. B. Cocco, A. Gavini, E. Badaracco, P. Longu (eds.). Carocci, Roma 2015.

**Morten Kyndrup** is author of the book chapter 'Udsigelse, medialitet, modernisme', in: *Skønhedens hotel: Hotel Pro Forma. Et laboratorium for scenekunst* by Christoffersen, E. E. & Winkelhorn, K. (eds.). Aarhus: Aarhus Universitetsforlag, 2015.

**Orietta Cordovana** is author of two book chapters 'Municipia, Roman Empire' and 'Conventus' in: *Encyclopedia of Ancient History* by R. Bagnall, K. Brodersen, C. Champion, A. Erskine, S. Hübner (eds.). Oxford: Wiley-Blackwell, 2015.

**Orietta Cordovana** is author of the book chapter 'Diritti territoriali, migrazoni e conflitti sociali in Africa tardoantica' in: *Tensioni sociali nella Tarda Antichità nelle province occidentali dell'impero romano* by L. Montecchio (ed.). Perugia, 2015.

**Jan Alber** is author of the book *Unnatural Narrative: Impossible Worlds in Fiction and Drama*. Lincoln: University of Nebraska Press, 2016.

**Jürgen Elvert** is editor of the book *Geschichte jenseits der Universität. Netzwerke und Organisationen in der frühen Bundesrepublik*. Stuttgart: Franz Steiner Verlag, 2016.

**Jürgen Elvert** is author of the book chapter 'Von alten Lasten und neuen Anfängen. Die Ranke-Gesellschaft, Vereinigung für Geschichte im öffentlichen Leben e.V., in den 1950er Jahren' in: *Geschichte jenseits der Universität. Netzwerke und Organisationen in der frühen Bundesrepublik*. Stuttgart: Franz Steiner Verlag, 2016.

**Karin Lykke-Hartmann** is author of the four book chapters entitled 'HPLC neurotransmitter analysis', 'Behavior tests relevant to Na<sup>+</sup>/K<sup>+</sup>-ATPase gene modified mouse models', 'Zebrafish whole-mount in situ hybridization followed by sectioning' and 'Whole-mount immunohistochemistry for anti-F59 in Zebrafish embryos (1-5dpf)' in: *Methods of Molecular Biology*. Springer: 2016.

**Isabel Kusche** is author of the book *Politischer Klientelismus: Informelle Macht in Griechenland und Irland*. Frankfurt am Main: Campus, 2016.

**Darin Stephanov** is author of the book chapter 'Ruler Visibility, Modernity and Ethnonationalism in the Late Ottoman Empire' in: *Living in the Ottoman Realm: Sultans, Subjects, and Elites* by Kent Schull and Christine Isom-Verhaaren (eds.) Bloomington: Indiana University Press, 2016.

**Consuelo Manetta** is author of the book chapter 'I pavimenti delle regiones XI e XII' in: *Per un corpus dei pavimenti antichi di Roma e del Lazio. Collana Convegni*, 32 by C. Angelelli et al. Rome: Sapienza Università Editrice, 2016.

**Orietta Cordovana** is author of the book chapter 'Le organizzazioni dei lavoratori' in: *A. Marcone (a cura di) L'età romana. Liberi, semiliberi e schiavi in una società premoderna*, vol. I, *Storia del Lavoro in Italia*, Collana diretta da F. Fabbri. Roma, Castelveccchi, 2016.

**Dorothee Birke** is author of the book *Writing the Reader: Configurations of a Cultural Practice in the English Novel*. Berlin/Boston: de Gruyter, 2016.

## PUBLICATIONS – JOURNAL ARTICLES

**Karl-Erik Andersson** is co-author of the article 'Serotonin (5-HT)<sub>2A/2C</sub> receptor agonist (2,5-dimethoxy-4-iodophenyl)-2-aminopropane hydrochloride (DOI) improves voiding efficiency in the diabetic rat' in: *BJU Int.* 2015;116(1):147-55.

**Paul W. Denton** is the co-author of the article 'The Depsipeptide Romidepsin Reverses HIV-1 Latency In Vivo' in: *PLoS Pathogens*, 17 September 2015.

**Karl-Erik Andersson** is co-author of the article 'Purinergic signalling in the urinary bladder' in: *Auton Neurosci.* 2015 Sep;191:78-81.

**David Petrosyan** is co-author of the article 'Long-range quantum gate via Rydberg states of atoms in a thermal microwave cavity' in: *Physical Review A* 92.

**Jesper Levinsen** is co-author of the article 'Quasiparticle Properties of a Mobile Impurity in a Bose-Einstein Condensate' in: *Physical Review Letters* (115, 160401), 13 October 2015.

**Karl-Erik Andersson** is co-author of the article 'Drug therapy of overactive bladder-what is coming next?' in: *Korean J Urol.* 2015 Oct;56(10):673-9.

**Jan Alber** is the author of the paper 'Innovative Eighteenth-Century Fiction: The Case of the Speaking Objects in Circulation Novels' in: *Anglistentag 2014 Hannover. Proceedings*. Ed. Rainer Emig and Jana Gohrisch. Trier: WVT, 2015. 187-202.

**Karl-Erik Andersson** is co-author of the article 'Reduction of obstruction related bladder overactivity by the guanylyl cyclase modulators BAY 41-2272 and BAY 60-2770 alone or in combination with a phosphodiesterase type 5 inhibitor' in: *NeuroUrol Urodyn*. 2015 Nov;34(8):787-93.

**Sonia Coriani** is co-author of the article 'Requirements of first-principles calculations of X-ray absorption spectra of liquid water' in: *Phys. Chem. Chem. Phys.* 18, 566, 17 November 2015.

**Morten Kyndrup** published two reviews, 'En rigtig røverhistorie: Vældigt plot i spinkel tekst' and 'Hun får for lidt: Alle ude ? ingen hjemme' in the literary journal: *Standart*, Vol. 29, Nr. 3, 2015.

**Karl-Erik Andersson** is co-author of the article 'Translational Research and Functional Changes in Voiding Function in Older Adults' in: *Clin Geriatr Med*. 2015 Nov;31(4):535-48.

**Rikke Schmidt Kjærsgaard** is author of the article 'Scientific Data and Aesthetic Complexity' in the exhibition catalogue for the exhibition *REVISIT: Thorbjørn Lausten* at Overgaden Exhibition hall, Copenhagen, Denmark, 14 November 2015.

**Sonia Coriani** is first-author of the article 'Communication: X-ray absorption spectra and core-ionization potentials within a core-valence separated coupled cluster framework' in: *The Journal of Chemical Physics* 143, 181103, 2015.

**Machteld Verzijden** is corresponding author of the article 'Male *Drosophila melanogaster* learn to prefer an arbitrary trait associated with female mating status' in the special issue on 'Learning and Sexual Selection' in: *Current Zoology* 61 (6): 1036-1042, 2015.

**Óscar J. Martín García** is author of the article 'Una utopía secular. La teoría de la modernización y la política exterior estadounidense en la Guerra Fría', in: *Historia y Política*, 34, 2015.

**Julieta Goenaga** is first-author of the article 'Within-species divergence in the seminal fluid proteome and its effect on male and female reproduction in a beetle' in: *BMC Evolutionary Biology* 201515:266, 2 December 2015.

**Xuhui Dong** is co-author of the review article 'Social-ecological systems in the Anthropocene: The need for integrating social and biophysical records at regional scales' in: *The Anthropocene Review*, December 2015 vol. 2 no. 3 pp. 220-246.

**Tomasz Wojdacz** is co-author of the article 'The influence of DNA degradation in formalin-fixed, paraffin-embedded (FFPE) tissue on locus-specific methylation assessment by MS-HRM' published in: *Experimental and Molecular Pathology*, Vol. 99, Issue 3, December 2015.

**Paul W. Denton** is co-author of the paper 'Administration of Panobinostat Is Associated with Increased IL-17A mRNA in the Intestinal Epithelium of HIV-1 Patients' in: *Mediators of Inflammation*, Volume 2015.

**Jürgen Elvert** published the paper 'Warum soll es in der Geschichte keine Zufälle geben?' in: *EWE - Erwägen, Wissen, Ethik. Forum für Erwägungskultur / Deliberation, Knowledge, Ethics. Forum for Deliberative Culture*, Vol. 26/2015, No. 4, p. 484-486.

**Toke T. Høye** is co-author of the article 'Analysis of trophic interactions reveals highly plastic response to climate change in a tri-trophic High-Arctic ecosystem' in: *Polar Biology*, 15 December 2015.

**Anja Kamp** is first-author of the review article 'Nitrate storage and dissimilatory nitrate reduction by eukaryotic microbes' in: *Frontiers in Microbiology* 6:1492, 22 December 2015.

**Mads Vaarby Sørensen** is co-author of the article 'Severe Salt-Losing Syndrome and Hyperkalemia Induced by Adult Nephron-Specific Knockout of the Epithelial Sodium Channel $\gamma$ -Subunit' in: *Journal of the American Society of Nephrology*, 23 December 2015.

**Jan Alber** is the author of a review of *Storyworlds across Media* by Marie-Laure Ryan and Jan-Noël Thon (eds.) in: *Zeitschrift für Anglistik und Amerikanistik* 63.4 (2015): 472-76.

**Karin Lykke-Hartmann** is co-author of the article 'TRPV3 channels mediate Ca<sup>2+</sup> influx induced by 2-APB in mouse eggs' in: *Cell Calcium*, Jan;59(1):21-31, 2016.

**Rima Obeid** is co-author of the article 'Plasma 1-carbon metabolites and academic achievement in 15-yr-old adolescents' published in: *The FASEB Journal*, 4 January 2016.

**Julieta Goenaga** is co-author of the article 'Direct and indirect genetic effects of sex-specific mitonuclear epistasis on reproductive ageing' in: *Heredity*, 116, 338-347, 6 January 2016.

**Karl-Erik Andersson** is co-author of the article 'Latest Evidence on the Use of Phosphodiesterase Type 5 Inhibitors for the Treatment of Lower Urinary Tract Symptoms Secondary to Benign Prostatic Hyperplasia' in: *Eur Urol*, 21 January 2016.

**Xuhui Dong** is co-author of the article 'Determining Long-Term Trends of Four Fast-Eutrophicated Lakes in China and Finland' in: *Journal of Agricultural Science*, vol.8 no.1. 2016.

**Sonia Coriani** is first-author of the article 'Molecular response properties in equation of motion coupled cluster theory: a time-dependent perspective' in: *J. Chem. Phys.* 144, 2016.

**Rima Obeid** is co-author of the article 'Choline-phospholipids inter-conversion is altered in elderly patients with prostate cancer' in: *Journal of Biochimie*, 14 January 2016.

**Martin Holmstrup** is co-author of the paper 'Freezing of body fluids induces metallothionein gene expression in earthworms (*Dendrobaena octaedra*)' in: *Comp. Biochem. Physiol C* 179: 44-48.

**Ronald Fischer** is co-author of the article 'Is in-group bias culture-dependent? A meta-analysis across 18 societies' in: *SpringerPlus*, 5: 70.

**Take T. Høye** is co-author of the article 'High spatial variation in terrestrial arthropod species diversity and composition near the Greenland ice cap' in: *Polar Biology*, 28 January 2016.

**Ronald Fischer** is co-author of the article 'Measurement Invariance of the Brief Multidimensional Student's Life Satisfaction Scale Among Adolescents and Emerging Adults Across 23 Cultural Contexts' in: *Journal of Psychoeducational Assessment*, 34, 28-38.

**Consuelo Manetta** published the paper "'Our Daily Bread" in Italy: Its Meaning in the Roman Period and Today' in: *Material Culture. The Journal of the International Society for Landscape, Place & Material Culture*, vol. 48, n. 1, 2016.

**Karin Lykke-Hartmann** is co-author of the article 'TRPV3 channels mediate Ca(2+) influx induced by 2-APB in mouse eggs' in: *Cell Calcium*. 2016 Jan;59(1):21-31.

**Anja Kamp** is co-author of the article 'Anaerobic nitrogen turnover by sinking diatom aggregates at varying ambient oxygen levels' in: *Frontiers in Microbiology* 7:98.

**Karin Lykke-Hartmann** is co-author of the article 'Tuning of the Na,K-ATPase by the beta subunit' in: *Sci Rep*. 2016 Feb 5;6:20442.

**Karl-Erik Andersson** is co-author of the article 'Melatonin Improves Erectile Function in Rats With Chronic Lower Body Ischemia' in: *J Sex Med*. 2016 Feb;13(2):179-86.

**Karl-Erik Andersson** is co-author of the article 'Fundamentals and clinical perspective of urethral sphincter instability as a contributing factor in patients with lower urinary tract dysfunction-ICI-RS 2014' in: *Neurourolog Urodyn*. 2016 Feb;35(2):318-23.

**Paul W. Denton** is first-author of the paper 'Using animal models to overcome temporal, spatial and combinatorial challenges in HIV persistence research' in: *Journal of Transl Med*. 9 February 2016;14(1):44.

**Karin Lykke-Hartmann** is corresponding author of the article 'Glutamate-system defects behind psychiatric manifestations in a familial hemiplegic migraine type 2 disease-mutation mouse model' in: *Scientific Reports*, 6, Article number: 22047, 25 February 2016.

**Martin Holmstrup** is co-author of the paper 'Uptake and elimination of 4-nonylphenol in the enchytraeid *Enchytraeus albidus*' in: *Bulletin of Environmental Contamination and Toxicology*, 96: 156-161, February 2016.

**Ronald Fischer** is co-author of the paper 'Everyone has a secret they keep close to their hearts': Challenges faced by adolescents living with HIV infection at the Kenyan coast' in: *BMC Public Health*, 16; February 2016.

**Bjørn Panyella Pedersen** is first-author of the article 'Initiating heavy-atom-based phasing by multi-dimensional molecular replacement' in: *Acta Crystallogr D Struct Biol*. 2016 Mar 1;72(Pt 3):440-5.

**Alfonso Blazquez-Castro** is co-author of the article 'Control of singlet oxygen production in experiments performed on single mammalian cells' in: *J Photochem Photobiol A: Chem* 321: 297-308 (2016), 9 March 2016.

**Karl-Erik Andersson** is co-author of the article 'Functional role of the transient receptor potential melastatin 8 (TRPM8) ion channel in the urinary bladder assessed by conscious cystometry and ex vivo measurements of single-unit mechanosensitive bladder afferent activities in the rat' in: *BJU Int*. 2016 Mar;117(3):484-94.

**Rima Obeid** is first-author of the article 'Plasma trimethylamine N-oxide concentration is associated with choline, phospholipids, and methyl metabolism' in: *Am J Clin Nutr*. 2016 Mar;103(3):703-11.

**Jan Alber** is author of the article 'What Commodities Have to Say about Consumerism: The Eighteenth-Century Novel *The Adventures of a Black Coat*' in: *Material Culture* 48.1 (2016): 55-66.

**Mads Vaarby Sørensen** is co-author of the article 'Hyperaldosteronism following decreased renal K+ excretion in KCNMB2 knock-out mice' in: *American Journal of Physiology - Renal Physiology*, 9 March 2016.

**Karl-Erik Andersson** is co-author of the article 'Pharmacology: On the mode of action of mirabegron' in: *Nat Rev Urol*. 2016 Mar;13(3):131-2.

**Rima Obeid** is co-author of the article 'Prospective Investigation of 25(OH) D3 Serum Concentration Following UVB Narrow Band Phototherapy in Patients with Psoriasis and Atopic Dermatitis' in: *Anticancer Res*. 2016 Mar;36(3):1439-44.



**Rima Obeid** is co-author of the article 'DNA methylation profiling reveals differences in the three human monocyte subsets and identifies uremia to induce DNA methylation changes during differentiation' in: *Epigenetics*. 2016 Mar 28:0.

**Martin Holmström** is co-author of the article 'Adaptations of enchytraeids to single and combined effects of physical and chemical stressors' in: *Environmental Reviews* 24: 1-12.

**Paul W. Denton** is co-author of the article 'HIV-1 transcriptional activity during frequent longitudinal sampling in aviremic patients on ART' in: *AIDS*, March 2016.

**Karl-Erik Andersson** is co-author of the article 'Potential Future Pharmacological Treatment of Bladder Dysfunction' in: *Basic Clin Pharmacol Toxicol*, 17 March 2016.

**Marie Braad Lund** is corresponding author of the article 'Earthworm ecology affects the population structure of their Verminephrobacter symbionts' in: *Systematic and Applied Microbiology*, 39/3, March 2016.

**Naicheng Wu** is co-author of the paper 'Spatio-temporal patterns and predictions of phytoplankton assemblages in a subtropical river delta system' in: *Fundam. Appl. Limnol.*, Vol. 187/4, March 2016.

**Mari Hatavara** published the paper 'Mina, Kekkonen ja poliittinen rappio: Veikko Vennamon rakentama historiakuva ja kerronnalliset keinot muisteluaineistossa' (translation: 'Kekkonen, political degradation and I: Veikko Vennamo narrating the past in oral history materials') in: *Historialinen Aikakauskirja*, Vol. 114, issue 1, 29 March 2016.

**Toke T. Høye** is co-author of the article 'An ecological function in crisis? The temporal overlap between plant flowering and pollinator function shrinks as the Arctic warms' in: *Ecography* 39: 001-003, 2016.

**Ronald Fischer** is first-author of the article 'Values: The dynamic nexus between biology, ecology and culture' in: *Current Opinion in Psychology*, 8, 155-160, April 2016.

**Paul W. Denton** is co-author of the article 'A novel toll-like receptor-9 agonist, MGN1703, enhances HIV-1 transcription and NK cell-mediated inhibition of HIV-1 infected autologous CD4+ T cells' in: *Journal of Virology*, Apr 14;90(9):4441-53.

**Bjørn Panyella Pedersen** is co-author of the article 'Mechanism of inhibition of human glucose transporter GLUT1 is conserved between cytochalasin B and phenylalanine amides' in: *Proceedings of the National Academy of Sciences (PNAS)* vol. 113 no. 15.

**Sonia Coriani** is corresponding author of the article 'A complex-polarization-propagator protocol for magneto-chiral axial dichroism and birefringence dispersion' in: *Phys. Chem. Chem. Phys.*, 2016, 18, 13267-13279, 12 April 2016.

**Xuhui Dong** is corresponding author of the paper 'Identifying sediment discontinuities and solving dating puzzles using monitoring and palaeolimnological records' in: *Frontiers of Earth Science*, 4 May 2016.

**Xuhui Dong** is corresponding author of the paper 'Using sedimentary diatoms to identify reference conditions and historical variability in shallow lake ecosystems in the Yangtze floodplain' in: *Marine & Freshwater Research* 2016, 67(6): 803-815. This paper was featured as the cover image of this issue, with a bird view from the Poyang Lake, China.

**Ronald Fischer** is co-author of the article "'Get Up, Stand Up, Stand Up for Your Rights!' The Jamaicanization of Youth Across 11 Countries Through Reggae Music? in: *Journal of Cross-Cultural Psychology*, May 2016 vol. 47 no. 4 581-604.

**Mads Vaarby Sørensen** is corresponding author of the paper 'Na<sup>+</sup>-dependence of K<sup>+</sup>-induced natriuresis, kaliuresis and NCC dephosphorylation' in: *Acta Physiologica*, 9 May 2016.

**Sonia Coriani** is corresponding author of the paper 'Near-Edge X-ray Absorption Fine Structure within Multilevel Coupled Cluster Theory' in: *Journal of Chemical Theory and Computation*, 16 May 2016.

**Karin Lykke-Hartmann** is corresponding author of the article 'Insights into the Pathology of the 2-Na<sup>+</sup>/K<sup>+</sup>-ATPase in Neurological Disorders: Lessons from Animal Models' in: *Front Physiol.* 2016 May 4;7:161

**Toke T. Høye** is co-author of the paper 'Biotic interactions mediate patterns of herbivore diversity in the Arctic' in: *Global Ecology and Biogeography*, 19 May 2016.

**Rima Obeid** is co-author of a 'Letter to the Editor' in: *European Urology*, 25 May 2016.

**Rima Obeid** is corresponding author of the article 'Plasma Amyloid Beta 1-42 and DNA Methylation Pattern Predict Accelerated Aging in Young Subjects with Down Syndrome' in: *NeuroMolecular Medicine*, 27 May 2016.

**Xuhui Dong** is co-author of the paper 'Direct versus indirect climate controls on Holocene diatom assemblages in a sub-tropical deep, alpine lake (Lugu Hu, Yunnan, SW China)' in: *Quaternary Research*, 27 May 2016.

**Morten Kyndrup** is author of the review 'En virkelig historie: Hundrede års ensomhed – på finsk' in the journal: *Standart* 1, vol. 30, 2016.

**Sonia Coriani** is co-author of the article 'Molecular Dipole Moments within the Incremental Scheme using the Domain-Specific Basis-Set Approach' in: *Journal of Chemical Theory Comput.*, 14 June 2016.

**Bjørn Panyella Pedersen** is co-author of the article 'Expression strategies for structural studies of eukaryotic membrane proteins' in: *Current Opinion in Structural Biology*, Volume 38, Pages 137-144, June 2016.

**Amy M. Iler** is co-author of the article 'Sex-specific responses to climate change in plants alter population sex ratio and performance' in: *Science*, Vol. 353, Issue 6294, 1 July 2016.

**Jessica L. Barker** is corresponding author of the article 'Local competition increases people's willingness to harm others' in: *Evolution and Human Behavior*, Volume 37, Issue 4, July 2016.

**Toke T. Høye** is co-author of the article 'Meter scale variation in shrub dominance and soil moisture structure Arctic arthropod communities' in: *PeerJ* 4, 14 July 2016.

**Toke T. Høye** is co-author of the article 'Phenological sensitivity to climate varies across taxa and trophic levels' in: *Nature* 535, 241-245, 14 July 2016.

**Kirill Postoutenko** edited a special issue of the *Russian Journal of Communication* (2016, Vol.8, No.2) and published the two articles 'Secondary orality in twentieth century Russian culture (language, cinema and politics): an introduction' and 'Listening to comrade Stalin: multimodality and code-switching in public response to the leaders' speeches in the twentieth century' in: *Russian Journal of Communication*, 8:2, 26 July 2016.

## EXTERNAL ACADEMIC ACTIVITIES

**Alexander Panayotov** went on fieldwork to Greece and Bulgaria to study inscriptions and archaeological artefacts as part of his AIAS project «Minority status and identity: A case study of the Jewish minority in Byzantium», 10 August-11 October 2015.

**Jessica Shadian** gave the invited talk 'From Politics to Governance: Carving out a Political Space for Indigenous Polities in Arctic Governance', 10 September 2015, Bowdoin College, Brunswick, Maine, USA.

**Karin Lykke-Hartmann** participated and acted as chairman at the SPS, the Scandinavian Physiology Society Annual meeting, 18-20 September 2015, Aarhus, Denmark.

**Mads Vaarby Sørensen** organized the symposium 'To pee or not to be' at the SPS, Scandinavian Physiological Society Annual meeting, 18-20 September 2015, Aarhus, Denmark.

**Djuko Veldhuis** was co-organiser of and chaired at the conference *Forging of cultures in the circumpolar north – a comparative perspective*, 23-24 September 2015, Aarhus, Denmark.

**Jan Alber** participated in the yearly meeting of the German Association of university teachers of English and organized a panel entitled 'Reading Multiraciality in Anglophone Narratives', 23-26 September 2015, Paderborn, Germany.

**Karen ní Mheallaigh** organised, by invitation, the panel 'Wunderkultur, fiction and the landscape of the imagination' at the *Fifth International Conference on the Ancient Novel* and delivered the presentation 'Did Trimalchio dream of electric sheep? The reader in the *Wunderkammer*', 30 September- 4 October 2015, Houston, Texas, USA.

**Jan Alber** gave the guest lecture 'Towards Resilience and Experimentation: The Negotiation of Indigenous Australian Identities in Contemporary Aboriginal Prose', 6 October 2015, University of Oslo, Norway.

**Ronald Fischer** went on a field trip to do data collection in Southern Thailand during the Annual Vegetarian Festival. Conducted 1066 interviews and surveys with participants in 53 rituals at 7 shrines and 2 cities. Thailand, 6-25 October 2015.

**Mads Vaarby Sørensen** gave the talk 'Impaired Aldosterone Responsiveness in Corticosteroid Binding Globulin deficient Mice' at the 8th International Symposium and Annual ADMIRE Cost Meeting 'Aldosterone, MR, and Salt – What's new?', 7-11 October 2015, Zermatt, Switzerland.

**Jan Alber** participated in the conference *Narratives of Romanticism* and gave the paper 'Narrating the Orient: The Brief Eastern Episodes in Romantic Poetry', 8-11 October 2015, University of Wuppertal, Germany.

**Btihaj Ajana** organised, chaired and participated in two events 'Fabricating culture, curating identity' and 'Co-Creative Practice through Film' at the *Arts and Humanities Festival* 2015, 12-25 October 2015, King's College London, UK.

**Jürgen Elvert** co-organized and attended the conference *Grenzenloses Europa? Vom Kalten Krieg zum Gemeinsamen Europäischen Haus – 30 Jahre Schengen* and gave a paper on 'Grenzüberschreitungen: Vom Zeitalter der Weltkriege zum grenzenlosen Europa', 21-24 October 2015, Görlitz, Germany.

**Rikke Schmidt Kjærgaard** headed an art and science workshop for children at the Zoological Museum in Copenhagen in relation to the conference *Young Apes* organised by the Center for Biocultural History at Aarhus University in collaboration with the Science Club at the Young Academy, Royal Danish Academy for Sciences and Letters, 23 October 2015.

**Amy Iler** gave a research talk entitled 'Temporal variation in pollen limitation of three subalpine plant species' at the *Scandinavian Pollination Ecology* conference, 24 October 2015, Silkeborg, Denmark.

**Ronald Fischer** went on a field visit to Rio de Janeiro, Brazil, where he presented his work on values and discussed options for conducting a study among Native American tribes in the Amazon basin. The goal of the study is to examine moral and social value orientations in traditional societies, Brazil, 27 October – 5 November 2015.

**Amy Iler** gave a research seminar entitled 'Climate-induced shifts in flowering phenology: implications for population dynamics and species interactions', 29 October 2015, Holden Arboretum, Ohio, USA.

**Consuelo Manetta** was an invited speaker at the conference 'Pittori, tecniche, trattati, contesti tra testimonianze e ricezione', and gave the paper entitled 'Pittura funeraria della Bulgaria nel contesto storico e artistico della Tracia tra l'età tardo classica e la prima età ellenistica' (Funerary painting of Bulgaria in the historical and artistic context of Thrace between the Late Antique and the Early Hellenistic periods), 29-30 October 2015, Scuola Normale Superiore, Pisa, Italy.

**Amy Iler** gave a public lecture entitled 'Climate change & biological timing: Winners and losers under novel environmental conditions' as part of the lecture series 'Friday in the Gardens', 30 October 2015, Holden Arboretum, Ohio, USA.

**Btihaj Ajana** gave the talk 'Ethics and the datafication of borders' at the conference *Profile, Predict and Prevent: Data-driven policies, markets and societies*, 30-31 October 2015, Université Paris II, France.

**Alexander Panayotov** was an invited speaker at the conference Mapping the Jewish Diaspora of Late Antiquity and presented the paper 'Jewish Everyday Life in the Early Byzantine Balkans', 1-3 November 2015, University of Haifa and Tel Aviv University, Israel.

**Ronald Fischer** gave the talk 'Optimal Functioning: A social Psychological Perspective' at Instituto Dor Pesquisa e Ensino (IDOR), 3 November 2015, Rio de Janeiro, Brazil.

**Anja Kamp** gave the lecture 'Eukaryotic players in the marine nitrogen cycle', 11-12 November 2015, Institute for Bioscience, Microbiology, Aarhus University, Denmark.

**Jürgen Elvert** gave the academic keynote lecture 'European Ports. Maritime Repositories of European Cultural Heritage and European Civilization' at the *Maritime Security Conference* on 'The Challenges, Benefits and Opportunities of the European Union Maritime Security Strategy' organised by the European Defence Agency in cooperation with the Ministry of Defence of the Republic of Cyprus, 11-14 November 2015, Nicosia, Cyprus.

**Toke T. Høye** gave the talk 'Resilience and population dynamics of insects in the Arctic' at the MatchPoints Seminar: *Security and Governance in the globalised Arctic*, 12 November 2015, Aarhus University, Denmark.

**Dorothee Birke** co-presented the paper 'Failures at Home, Failures at Life? Home Stories in the Contemporary TV Series Shameless' at the conference *The Failed Individual*, 12-14 November 2015, University of Mannheim, Germany.

**Djuka Veldhuis** held and organised the workshop 'How to communicate your research to policy makers' for PhDs and postdocs from across science and engineering disciplines at the Science Policy Exchange Centre, 16 November 2015, Cambridge University, UK.

**Amy Iler** gave the research seminar presentation 'Climate-induced shifts in flowering phenology: implications for population dynamics and species interactions', 16 November 2015, Ursinus College, PA, USA.

**Machteld Verzijden** gave the seminar entitled 'The valence of experience: learning and the directionality of preferences', 17 November 2015, the Department of Zoology, Cambridge University, UK.

**Amy Iler** gave the research seminar presentation 'Climate-induced shifts in flowering phenology: implications for population dynamics and species interactions', 19 November 2015, Dartmouth College, USA.

**Karen ni Mheallaigh** presented the paper 'Lucien et l'astropoétique: le voyage à travers les genres' at the international conference *Lucien de Samosate et le mélange des genres*, 19-21 November 2015, Université de la Sorbonne/ École Normale Supérieure, Paris, France.

**Xuhui Dong** attended the meeting of the International Society of Limnology (PEG2015) and chaired the session 'Mitigating Cyanobacterial blooms', 20-24 November 2015, Jinan University, Guangzhou, China

**Machteld Verzijden** gave the talk 'The valence of experience. Learning and the directionality of preferences' at the Annual meeting of the Dutch behavioral biologists (Nederlandse Vereniging voor Gedragsbiologen), 27 November 2015, Soesterberg, the Netherlands.

**Jan Alber** was invited as a guest lecturer by the Faculty of Arts of Masaryk University to give a 12-hour class called 'Narrative Theory in the Twenty-First Century: From Structuralist Narratology to Postclassical Narratologies', 1-5 December 2015, Brno, Czech Republic.

**Amy Iler** gave the research seminar presentation 'Climate-induced shifts in flowering phenology: implications for population dynamics and species interactions', 7 December 2015, Chicago Botanic Garden, USA.

**Sonia Coriani** gave the invited seminar 'The molecular response to electromagnetic fields: a wonderful playground for a computational chemist' at the Department of Physics and Nanotechnology, 9 December 2015, Aalborg University, Denmark.

**Amy Iler** gave the research seminar presentation 'Climate-induced shifts in flowering phenology: implications for population dynamics and species interactions', 11 December 2015, Ohio University, USA.

**Ronald Fischer** was an invited speaker at the Second UNDP Expert Meeting on Promoting Social Cohesion in the Arab Region and gave the talk 'Issues in survey construction', 11-12 December 2015, Beirut, Lebanon.

**Ronald Fischer** gave the talk 'Unpacking collective ritual: An interdisciplinary approach to understanding cultural rituals', 15 December 2015, the University of Leuven, Belgium.

**Isabel Kusche** gave the talk 'Austerität und die Bedeutung nichtprogramatischer Politik. Überlegungen zu einer vergleichenden Untersuchung von Folgen der europäischen Finanzkrise', 16 December 2015, Institute of Sociology, University Duisburg-Essen, Germany.

**Amy Iler** presented a project entitled 'Population decline in response to climate change-induced earlier flowering phenology' at the British Ecological Society meeting, 16 December 2015, Edinburgh, Scotland, UK.

**Dorothee Birke** was co-presenter at the seminar 'Ambivalente HeldInnen, abgründige Welten: Kulturreflexion zeitgenössischer TV-Serien', 18-19 December 2015, University of Witten-Herdecke, Germany.

**Jürgen Elvert** attended as invited delegate the 56th Historical-Tactical Conference of the German Navy, 5-7 January 2016, Dobbin-Linstow, Germany.

**Orietta Cordovana** gave the invited talk 'Sacred Landscapes of Politics: Ghirza, Gurzil, and the Romans' at the International Conference of the British Association of Near Eastern Archaeology (BANE) on 'Land, Sea, & Sky in the Near East', 6-8 January 2016, Lampeter, Wales, UK.

**Machteld Verzijden** gave the talk 'Mate choice learning behavior in male *Drosophila melanogaster*' at the winter meeting of the American Society of Naturalists, 12 January 2016, Asilomar Conference Center, Pacific Grove, California, USA.

**Rikke Schmidt Kjærgaard** gave the invited talk 'Visualising molecular and medical data' at the National Danish Research Center PERSIMUNE, 20 January 2016, Rigshospitalet, Copenhagen, Denmark.

**Paul W. Denton** gave the talk 'Animal Models of HIV Persistence' at the 3rd Partnering for Cure in Virology Meeting, 22 January 2016, Stockholm, Sweden.

**Consuelo Manetta** was an invited delegate at the conference *Danish Archaeology in a Globalised and Politicised World*, 27 January 2016, Carlsberg Academy, Copenhagen, Denmark.

**Jan Alber** gave the paper 'Narrating the Impossible' at the workshop 'Worlds in Process', 28-30 January 2016, TU Darmstadt, Germany.

**Jan Alber** gave the keynote 'Narratology Today' at the Winter school 'Uses of Narrative: New Developments in Narrative Theory', 2-5 February 2016, University of Groningen, the Netherlands.

**Sonia Coriani** presented the poster 'Coupled Cluster Studies of Photoionization, Photodetachment and X-ray Photoabsorption' at the 'Gordon Research Conference on Photoionization and Photodetachment', 7-12 February 2016, at the Renaissance Tuscany Il Ciocco, Barga (LU), Italy.

**Dorothee Birke** was presenter at the seminar 'Kulturreflexion zeitgenössischer TV-Serien', 11-12 February 2016, University of Witten-Herdecke, Germany.

**Ronald Fischer** gave the talk 'A critical review and look forward from cross-cultural psychology' at the workshop 'Interconnections between Culture and Behavior: Interdisciplinary Perspectives', 19 February 2016, University of Warwick, UK.

**Jan Alber** participated in a winter school on transmedial narratology and gave the lecture 'Transmedial Narratology and Theatrical Performance', 22-26 February 2016, the Graduate Academy, University of Tübingen, Germany.

**Alexander Panayotov** gave the research seminar presentation 'Jews and Jewish Communities in the early Byzantine Balkans and the Aegean', 23 February 2016, the American Research Center, Sofia, Bulgaria.

**Ronald Fischer** went on a field visit to Hatyai and Bangkok, Thailand to prepare an experimental study to investigate the role of religious belief in the emotional processing of pain. During the stay, on 1-2 March 2016, Fischer participated in a UNDP Round Table on 'Bringing data and information together to prevent conflict', held in Bangkok, Thailand, 25 February - 8 March 2016.

**Anja Kamp** gave the research seminar 'Fate of Intracellular Nitrate in Marine Snow', 29 February 2016, Department of Bioscience, Microbiology, Aarhus University, Denmark.

**Dorothee Birke** gave the invited talk 'Book Culture in the Digital Age: A Paratextual Approach', 3 March 2016, at the Literature Between Media Research Centre, School of Communication and Culture, Aarhus University, Denmark.

**Btihaj Ajana** gave the lecture 'The rise of the Entrepreneurial Museum' at the *Global Arts and Science Society Conference*, 4-6 March 2016, Paris, France.

**Frants H. Jensen** gave the invited talk 'Communication and spatiotemporal coordination of deep-diving delphinids', 7 March 2016, Bioscience, Aarhus University, Denmark.

**Djuke Veldhuis** gave the paper 'The importance of science communication', ran interactive workshops and presided over a flash-talk competition at the *Partnership for Enhanced Engagement in Research (PEER)* conference, 13-17 March 2016, Amman, Jordan.

**Ronald Fischer** gave the talk 'The vegetarian festival: A quasi-experimental ethnography of a complex collective ritual', 15 March 2016, University of Wellington, New Zealand.

**Darin Stephanov** presented the paper 'Ruler Visibility, Modernity, and Ethnonationalism in the Late Romanov and Ottoman Empires. A Finnish-Bulgarian Comparison' at the 2016 *Annual Conference of the British Association for Slavonic and East European Studies (BASEES)*, 2-4 April 2016, Fitzwilliam College, Cambridge University, UK.

**Mari Hatavara** gave the invited talk 'Mika Waltari – the first professional author in Finland?', 5 April 2016, Dept. of Nordic Studies and Linguistics, University of Copenhagen, Denmark.

**Mari Hatavara** gave two invited talks: 'Historical Novel in Finland Historical Novel in Finland' and 'Literary studies in Finland today', 6 April 2016, Dept. of Nordic Studies and Linguistics, University of Copenhagen, Denmark.

**Kirill Postoutenko** gave the invited lecture 'Social and Communicative Differentiation in Totalitarian Society', 8 April 2016, University of Strasbourg, France.

**Jan Alber** gave the lecture 'Indigenous Australian Identities in Aboriginal Narratives', 13 April 2016, the Department of English, Aarhus University, Denmark.

**Djuke Veldhuis** gave the talk 'Expecting the unexpected in Papua New Guinea: stressors, death and rituals', 14 April 2016, at the Religion, Cognition and Culture Research Unit, Aarhus University, Denmark.

**Frants H. Jensen** gave the invited talk 'Pilot whale group coordination and underlying sensory mechanisms', 14 April 2016, at the Scottish Oceans Institute, St. Andrews University, UK.

**Sonia Coriani** gave the talk 'Coupled Cluster Methods for X-ray spectroscopies of ground and excited states' at the EUSPEC WG3 COST meeting on 'XUV spectroscopies and time resolved dynamics', 14-15 April 2016, Elettra Sincrotrone Trieste, Basovizza, Italy.

**Isabel Kusche** gave the paper 'Rationalizing Localism and Brokerage: Individual Agency and the Deputy's Role in Irish Democracy', 18 April 2016, Dept. of Political Science, Aarhus University, Denmark.

**Ronald Fischer** gave the talk 'Unpackaging collective ritual: behavioural synchrony, pain, prosociality and beyond', 19 April 2016, University of Koblenz-Landau, Germany.

**Btihaj Ajana** gave the paper 'In the name of wellbeing: Self-tracking as Surveillance' at the *7th Biennial Surveillance & Society Conference*, 20-23 April 2016, Barcelona, Spain.

**Kirill Postoutenko** gave the invited lecture 'Secondary Orality and Communicative (Non-)Differentiation in Bolshevik Russia: Public and Private Feedback to Joseph Stalin's Talk On Soviet Constitution (1936)', 21 April 2016, University of Helsinki, Finland.

**Dorothee Birke** co-organized the research workshop 'Doing Digital Humanities: Bridging the Gap between Quantitative and Qualitative Methods' at the Freiburg Graduate School Factual and Fictional Narration, 22-23 April 2016, University of Freiburg, Germany.

**Kirill Postoutenko** gave the talk 'Russia on the Margins: Varieties of Political Messianism', 25 April 2016, at the Dept. of Global Studies, Aarhus University, Denmark.

**Ronald Fischer** gave the keynote talk 'Human values & cybersecurity: basic human vs sacred values' at the *Cyber Psych 2016* conference, 25-28 April 2016, Singapore.

**Anja Kamp** gave the presentation 'Impact of *Skeletonema marinoi* on anaerobic nitrate metabolism in marine snow' at the 15th CeMEB Assembly, Tjärnö, 26 – 28 April 2016, Linnaeus Centre for Marine Evolutionary Biology, University of Gothenburg, Sweden.

**Mads Vaarby Sørensen** gave the presentation 'You eat potassium, but you pee sodium' at the 'Biomedical network seminars', 29 April 2016, Dept. of Biomedicine, Aarhus University, Denmark.

**Jan Alber** gave the paper 'The Material Conditions of Waanyi Existence in Alexis Wright's *Carpentaria*' at the GAPS conference 'The Postcolonial and the Material', 5-7 May 2016, Augsburg, Germany.

**Frants H. Jensen** went on fieldwork working on the project 'Social communication and group coordination in bottlenose dolphins studied using fine-scale acoustic and movement tags' from 2-13 May 2016, Sarasota, Florida, USA.

**Ronald Fischer** gave the talk 'The psychological structure of extreme collective ritual: Meanings, pain and revisiting old debates', 5 May 2016, California State University, Northridge, USA.

**Xuhui Dong** gave the talk 'Using chironomids to assess ecological changes and the contribution from climate in remote Greenland lakes', 20 May 2016, Dept. of Geoscience, Aarhus University, Denmark.



**Btihaj Ajana** was an invited participant at the ID2020 Summit at the United Nations Headquarters, 20 May 2016, New York, USA.

**Amy Iler** gave the guest lecture 'Phenological shifts and species interactions', 23 May 2016, Center for Macroecology, Evolution, and Climate, University of Copenhagen, Denmark.

**Rima Obeid** chaired a session and presented the poster 'Vitamin B12-fortified teeth cream improved vitamin status markers in vegans: a 3 month placebo controlled study', 25 May 2016, at the *4th International Vitamin Conference*, Copenhagen, Denmark.

**Amy Iler and Alfonso Blazquez-Castro** gave the invited talk 'Phenology, flower albedo, & soil microclimate: a positive feedback between vegetation and climate change?', 26 May 2016, Dept. of Bioscience, Plant and Insect Ecology, Aarhus University, Silkeborg, Denmark.

**Lotte Philipson** gave the paper 'Imagining the Invisible: Aesthetics and Nano-art' at The Nordic Society of Aesthetics Annual Conference, 26-28 May 2016, Uppsala, Sweden.

**Btihaj Ajana** gave the presentation 'The Quantified Self and the Future of Health' at the Biannual Danish Conference on Science and Technology Studies 2016: Interpellating Future(s), 2-3 June 2016, Aarhus University, Denmark.

**Ümit Akbey** gave the presentation 'Nuclear Magnetic Resonance studies on Nanoparticles' at the 12th international Nanotechnology conference, *NanoTR-12 2016*, 3-5 June 2016, Gebze Technical University, Turkey.

**Dorothee Birke** gave the invited lecture 'Erschriebene Leser: Selbstreflexive Lektüren im englischen Roman', 9 June 2016, Centre for Narrative Studies, University of Wuppertal, Germany.

**Ronald Fischer** gave the talk 'Cross-cultural psychology: A crisis in the making and how we can address it', 14 June 2016, University of Amsterdam, The Netherlands.

**Jan Alber** gave the paper 'Beyond Invasion and Colonization: Contemporary Aboriginal Narratives' at the *Annual Conference for the International Society for Narrative Studies*, 16-18 June 2016, Amsterdam, the Netherlands.

**Dorothee Birke** chaired the panel 'Where We Live Now: 'Home' as a Contested Narrative' and gave the paper entitled 'The Homeless/Housed Binary on the Contemporary British Stage' at the *Annual Conference for the International Society for Narrative Studies*, 16-18 June 2016, Amsterdam, the Netherlands.

**Mari Hatavara** gave the talk 'Telling Someone Else's Story. Documentaries and Retold Tales' at the *Annual Conference for the International Society for Narrative Studies*, 17 June 2016, Amsterdam, the Netherlands.

**Iryna Mazhak** gave the presentation 'Gender Differences in Self-Reported Health in the Ukrainian Working-age Population: Evidence from the European Social Survey' at the *2nd International Health Congress*, 20-22 June 2016, King College London, UK.

**Djuke Veldhuis** gave the paper "'Stress is the spice of life": an evolutionary perspective on the human stress response' at the International Society for Evolution, Medicine and Public Health (ISEMPH) 2016 meeting, 22-25 June 2016, North Carolina, USA.

**Mari Hatavara** gave the talk 'Evaluation in Narratives of Vicarious Experience' at the Narrative Matters conference, 23 June 2016, Victoria B.C., Canada.

**Ümit Akbey** gave the presentation 'NMR supported Structural Biology' at the national conference *23 Statistical Physics Days*, 24 June 2016, ITU Istanbul, Turkey.

**Iryna Mazhak** gave the presentation 'Social-Economic Status, Work Conditions and Inequalities in Self-Reported Health in Ukrainian Working-age Population: Evidence from the ESS' at the ESHMS 16th Biennial Congress 'Healthy lives: technologies, policies and experiences', 27-29 June 2016, University of Geneva.

**Isabel Kusche** gave the presentation 'Motivations versus Vocabularies of Motive. On the Linkage between Politicians and Voters' at the Conference of the International Sociological Association's Research Committee on Sociological Theory, 27-29 June 2016, University of Cambridge, UK.

**Djuke Veldhuis** gave the paper "'Expect the unexpected": human physiological, psychological and cultural, responses to urbanization in Papua New Guinea' at the *HBES 2016 Conference* (Human Behaviour and Evolution Society), 29 June-2 July 2016, Vancouver, Canada.

**Frants H. Jensen** gave the presentation 'Changing perspectives on the acoustic ecology of deep-diving toothed whales: From individual biosonar parameters to collective foraging strategies' at the Acoustic Research Laboratory, 4 July 2016, The National University of Singapore.

**Ronald Fischer** participated in the PhD summer school at University of Osnabrueck, 4-8 July 2016, Germany.

**Iryna Mazhak** participated in the UCL Health and Society Summer School: Social Determinants of Health, 4-8 July 2016, University College London, UK.

**Frants H. Jensen** gave the invited talk 'Living life on the edge: Social ecology and coordination in deep-diving pilot whales', 6 July 2016, Hong Kong University.

**Ronald Fischer** participated in the Interdisciplinary Ethnographic Field School, Aarhus University Summer School course, 9-25 July 2016, Mauritius.

**Ronald Fischer** went on field research in Mauritius to study participants in an extreme ritual and measure physiological and psychological responses as people go through the ritual (including a follow-up study). Mauritius, 9-18 July 2016.

**Isabel Kusche** presented the two papers 'Gradual Differentiation and Justifiable Cognizance: Adjusting the Notion of Functional Differentiation' and 'Political Self-Reflection on Political Representation: Constituency Service as a Topic in Parliamentary Debates' at the International Sociological Association Forum of Sociology, 10-14 July 2016, Vienna, Austria.

**Jan Alber** gave the invited lecture 'Contemporary Indigenous Australian Narratives', 12 July 2016, University of Braunschweig, Germany.

**Iryna Mazhak** gave the paper 'Social Inequalities in Self-Reported Health in the Ukrainian Working-age Population: Evidence from the ESS' at the 3rd International ESS Conference *Understanding key challenges for European societies in the 21st century*, 13-15 July 2016, Lausanne, Switzerland.

**Jan Alber** gave the paper 'Towards a New Reading Paradigm: Presence Effects, Composure, and the Capacity of "Letting Things Be"' at the 23rd Triennial Conference of the International Association of University Professors of English, 25-28 July 2016, London, UK.

**Ronald Fischer** was organizer and principal of the Culture & Psychology Summer School, sponsored by the International Association for Cross-Cultural Psychology (IACPP), 26-30 July 2016, Nagoya, Japan.

**Franz H. Jensen** gave the talk 'Distributed search strategies in deepdiving long-finned pilot whales' at the ISBE 2016, the 16th Congress of the International Society for Behavioral Ecology, 28 July-2 August 2016, University of Exeter, UK.

**Jessica Barker** gave the talk 'Local competition promotes both costly harming and policing' at the ISBE 2016, the 16th congress of the International Society for Behavioral Ecology, 28 July-2 August 2016, University of Exeter, UK.

**Machteld Verzijden** gave the talk 'Male fruitflies can learn to prefer an arbitrary female trait' at the ISBE 2016, the 16th congress of the International Society for Behavioral Ecology, 28 July-2 August 2016, University of Exeter, UK.

**Djuke Veldhuis** gave the talk 'Human adaptability: responses to changing livelihoods in Papua New Guinea' at the ISBE 2016, the 16th congress of the International Society for Behavioral Ecology, 28 July-2 August 2016, University of Exeter, UK.

## AWARDS, APPOINTMENTS AND GRANTS

**Oscar J. Martin Garcia** received a grant of EUR 60,500 from the Spanish National Department of Economy and Competitiveness as a co-partner of the project 'International Relations and the Modernization of the Spanish Educational and Scientific System, 1953-1986'. Duration: 24 months. PI: Lorenzo Delgado (National Council for Scientific Research, Madrid), September 2015.

**Xuhui Dong** received a grant from the National Natural Science Foundation of China (NSFC) to work on the mechanism and prevention of the ecological regime shifts in shallow Yangtze lakes with Professor Xiangdong Yang (PI) from the Chinese Academy of Sciences. Project title: 'Resilience change and critical transition in lake ecosystems from Yangtze floodplain'. Budget: CNY 4 million. Duration: Jan 2016- Dec 2020; September 2015.

**Dorothee Birke** was awarded the Helene-Richter research prize by the German Association for the Study of English for her book-length study (Habilitation) 'Writing the Reader: Quixotic Novels in England, 1752-2007' on the Annual Convention, 24 September 2015.

**Oscar J. Martin Garcia** and his research team have received a grant of EUR 20,000 from the Spanish National Department of Economy and Competitiveness for the project 'Social Mobilization and Local Power: Rural Spain between Continuity and Political Change (1968 - 1982)'. Duration: 24 months. PI: Daniel Lanero (University of Santiago de Compostela, Spain), October 2015.

**Rikke Schmidt Kjærgaard** received a grant from the Lundbeck Foundation together with Petrine Wellendorph from the Young Academy at the Royal Danish Academy for Sciences and Letters to support a mentoring Science Club for young school children to high school and university students, 20 October 2015.

**Consuelo Manetta** was appointed a Research Staff member of the new research project on Collections of Antiquities from Nemi, Rome, Italy directed by Francesca Diosono, Ludwig-Maximilians Universität München, Institut für Klassischen Archäologie, October 2015.

**Anja Kamp** was appointed as Associate Editor for the journal *Frontiers in Microbiology*, the Section 'Aquatic Microbiology', 2 November 2015.

**Cheryl Mattingly** was awarded the highly prestigious New Millennium Book Award by the Society for Medical Anthropology, one of the sections within the American Anthropological Association, for her book publication *Moral Laboratories: Family Peril and the Struggle for a Good Life* (University of California Press: 2014) in Denver, USA, 19 November 2015.

**Consuelo Manetta** and **Orietta Cordovana** in collaboration with Vladimir Stolba, Aarhus University, received a grant of DKK 50,000 by the Carlsberg Foundation for the conference *Bifocal Perspectives on the Black Sea*, 2 December 2015.

**Rima Obeid** received a FSS-Pregraduate scholarship granted by The Danish Council for Independent Research, Medical Sciences, for the project 'The effect of metformin on vitamin B12 transporters, dependent pathways and cellular uptake', 16 December 2015.

**David Petrosyan** was recognized as an 'Outstanding Referee' for the American Physical Society. A prestigious award given for reports and advice that have helped to advance and diffuse the knowledge of physics, January 2016.

**Sonia Coriani** was appointed a member of the Editorial Board of *Molecular Physics – An International Journal at the Interface Between Chemistry and Physics* by Taylor and Francis from 1 January 2016.

**Kirill Postoutenko** received an award from the Finnish University Network in Russian and East European Studies for the intercollegiate lecture course "Totalitarian communication: Hierarchies, Codes and Messages", 3 March 2016.

**Ronald Fischer** received together with Katrin Heimann a grant of DKK 49,500 for the project 'The role of culture in experiencing social emotions in film' by Interacting Minds Seed Funding, Aarhus University.

**Frants H. Jensen** received a grant for the project 'Cooperation in the face of social complexity: The evolution of long-distance and long-term collective behavior in spotted hyenas' by the BEACON Center for the Study of Evolution in Action, Michigan State University. Frants H. Jensen Co-PI, 22 March 2016.

**Orietta Cordovana** was appointed an Honorary Member of the *Scuola Archeologica Italiana di Cartagine (SAIC)*, 7 April 2016.

**Ronald Fischer** was awarded the 2016 CAROLYN B. DEXTER AWARD for the best paper with international implications by the Academy of Management, USA, for the paper "Cultural Uncertainty as Moderator of the Organizational Formalization Puzzle" under the subject 'Organizational Behavior', May 2016.

**Bjørn Panyella Pedersen** and his collaborators have received an Interreg grant (the ESS & MAX IV: Cross Border Science and Society) for the project 'Crystallization of GLUT1 using Lipid Cubic Phase (LCP) method'. Duration: 6 months.

## IN THE MEDIA

**Rima Obeid** gave an interview to *videnskab.dk* for the article 'Forskere: Put folinsyre i danske dagligvarer' explaining the significant results of her and her co-authors' European study on folic acid deficiency: 'Preventable Spina Bifida and Anencephaly in Europe'. Online at *videnskab.dk*: 27 August 2015.

**Rima Obeid** gave an interview to the newspaper *Jyllands-Posten* for the article 'Først var det jod i salt nu vil forskerne putte folinsyre i mel'. Online at *jp.dk*: 28 August 2015.

**Rima Obeid** gave an interview to *Science-Daily* for the article 'Lack of folic acid enrichment in Europe causes mortality among fetuses'. Online at *sciencedaily.com*: 28 August 2015.

**Rima Obeid** gave an interview to *ScienceNordic* about her European study on folic acid deficiency for the article 'Europe needs to put folic acid in food products: scientists'. *ScienceNordic*, 7 September 2015.

**Oscar J. Martin Garcia** published the guest column 'Washington y la Zarzuela, un matrimonio bien avenido' in the Spanish newspaper *Pública*, 15 September 2015.

**Rima Obeid** and her research results of the extensive European study on folic acid deficiency was cited in the article 'Gravide mangler folinsyre' in: *Mælkeritidende*, 2 October 2015.

**Tomte T. Høye** gave an interview to the newspaper *Jyllands-Posten* for the article 'Varmen i Grønland får sommerfuglenes vinger til at skrump'. Online at *jp.dk*, 7 October 2015.

**Bjørn Panyella Pedersen** is co-author of the newspaper article 'Forskning på smalkost' in the Danish newspaper *Berlingske*, 9 October 2015.

**Bjørn Panyella Pedersen** is co-author of the debate article 'Forskning på smalkost' (in the 'Opinion' section) in the newspaper *Berlingske*, 10 October 2015.

**Morten Kyndrup** published the commentary 'Humanistisk viden er afgørende for vores samfund' in the Danish newspaper *Politiken*, 25 December 2015.

**Karin Lykke-Hartmann** gave an interview to *videnskab.dk* about her research for the article 'Gennembrud i embryonal forskning rejser etiske spørgsmål'. Online at *videnskab.dk*: 4 May 2016.

**Machteld Verzijden** contributed to the article and the included academic quiz at *videnskab.dk*: 'Tip en 13'er: Hvad laver forskeren?' Online at *videnskab.dk*: 5 May 2016.



AIAS Fellow Isabel Kusche presenting at Fellows' Monday Lunch.

**Djuka Veldhuis** contributed to the article and the included academic quiz at *videnskab.dk*: 'Tip en 13'er: Hvad laver forskeren?' Online at *videnskab.dk*: 5 May 2016.

**Toke T. Høye** gave an interview to *dr.dk* for the article 'Rovdyr og bevoksning afgør udbredelsen af planteædere i Arktis' explaining the astonishing results of his and his co-authors' recent study 'Biotic interactions mediate patterns of herbivore diversity in the Arctic'. Online at *dr.dk*: 9 June 2016.

**Btihad Ajana** gave an interview to the Norwegian monthly newspaper *Ny Tid* about her research on the phenomenon of the Quantified self and self-tracking for the article 'Selvmonitorering: Kjenn deg selv gjennom tallene dine'. Online at *Ny Tid*, 16 June 2016.

**Btihad Ajana** co-directed a series of short films which have been screened in various international festivals and are published online at: *BCNMeS* (<http://bcnmes.com/culture/heroes-anonimos-de-barcelona-tenemos-video-serie/>), 30 June 2016.

**Tomasz K. Wojdacz** and his research method for cancer diagnostics was quoted in the article 'Aarhusforskere kan afsløre kræft tidligt gennem spytprøve' in: *Finans*. Online at *finans.dk*, 7 July 2016.

**Btihad Ajana** has developed and is responsible for the website [www.metricle.net](http://www.metricle.net) which acts as an information portal and an online platform including a Facebook page, YouTube channel and Twitter handle to engage and reach researchers as well as the public interested in Ajana's field of research on the phenomenon of the Quantified Self and self-tracking culture.

**Mari Hatavara** was interviewed about her research for the live radio program 'Lukupiiri' by The Finnish Broadcasting Company, 9 July 2016.

# AIAS EVENTS







The **AIAS Fellows' Seminar Series** is a recurrent event at the Institute, but not the only one. Fellows have organized a substantial number of both **disciplinary and multi-disciplinary** events: **conferences, workshops and guest lectures** that have created a platform for **exchange and collaboration** between the AIAS Fellows, AU faculty members and international scholars. Get inspired...



## AIAS EVENTS

**AIAS Fellows' Seminar:** 'What is Interface Criticism? On aesthetics, criticism and the post-digital' by AIAS Fellow Christian Ulrik Andersen, 7 September 2015

**AIAS Guest Lecture:** 'HIV Persistence: Unraveling the hidden virus from beautiful images' by Prof., Dr. Jacob Estes, National Cancer Institute, Frederick, Maryland, USA; invited by AIAS Fellow Paul W. Denton, 9 September 2015

**AIAS Fellows' Seminar:** 'Back to the Future: Paleolimnology and its application in understanding long-term environmental changes' by AIAS Fellow Xuhui Dong, 14 September 2015

**AIAS Guest Lecture/Aesthetics Seminar:** 'Screening Nature (and the Nature of the Screen)' by Prof. W. J. T Mitchell, University of Chicago, IL USA; organized by Jacob Lund, Dept. of Aesthetics and Culture, in collaboration with AIAS, 24 September 2015

**AIAS Fellows' Seminar:** 'Ancient Ecosystems. The Roman Frontier in Britain and North Africa' by AIAS Fellow Orietta Dora Cordovana, 28 September 2015

**AIAS and HELL (Human Evolution Lunchtime Lecture):** 'Apes in the Anthropocene' by Sandra Tranquilli and Maureen McCarthy; organized by AIAS Fellow Djuke Veldhuis in collaboration with Centre for Biocultural History, Aarhus University, 2 October 2015

**AIAS Fellows' Seminar:** 'Learned Preferences. The evolutionary dynamics of mate choice' by AIAS Fellow Machteld Verzijden, 5 October 2015

**AIAS and HELL (Human Evolution Lunchtime Lecture):** 'Romancing the Mind: Women, Emotion, Cognition and Film' organized by AIAS Fellow Djuke Veldhuis in collaboration with Centre for Biocultural History, Aarhus University, 9 October 2015

**AIAS Fellows' Seminar:** 'Paradise Lost? Measuring the social, psychological and physiological effects of rapid modernisation in remote human populations' by AIAS Fellow Djuke Veldhuis, 19 October 2015

**AIAS Fellows' Seminar:** 'Modeling Development. Oocytes, embryos, cell fate, gene expression' by AIAS Fellow Karin Lykke-Hartman, 26 October 2015

**Arctic Seminar Series:** 'In Cooperation with Intralaw' organized by ARC, 28 October 2015

**AIAS Guest Lecture:** 'From Event to Node: How 'Future Narratives' impact the way we conceive of the future' by Prof. Dr. Christoph Bode, English Department, Ludwig-Maximilians-Universität München, Germany; invited by AIAS Fellow Jan Alber, 3 November 2015

**AIAS Guest Lecture:** 'Aeschylus and War in Europe: Martone's *Teatro di Guerra*' by Prof. Isabelle Torrance, Department of Classics, University of Notre Dame, USA; invited by AIAS Fellow Karen ní Mheallaigh, 4 November 2015

**AIAS Conference:** *CoLuAa XXIV 2015*: Two-days meeting for macromolecular crystallographers from Copenhagen, Lund and Aarhus. Organized by AIAS Fellow Bjørn Panyella Pedersen in collaboration with Christian Brix Folsted Andersen, Dept. of Molecular Biology and Genetics, Aarhus University, 5-6 November 2015

**AIAS Fellows' Seminar:** 'Compromising Allies. The United States and military dictatorships during the Cold War: The Spanish Case' by AIAS Fellow Óscar José Martín García, 9 November 2015

**AIAS Fellows' Seminar:** 'The Paradox of Shared Suffering: Tales (and numbers) about pain, ritual and culture' by AIAS Fellow Ronald Fischer, 23 November 2015

**AIAS Internal Seminar:** A two-day Career development workshop organized by AIAS and VITAE (UK) for the AIAS Fellows, Sandbjerg Estate, 24-25 November 2015

**AIAS Fellows' Seminar:** 'Search for a Cure. Characterizing and targeting persistent HIV reservoirs in patients' by AIAS Fellow Paul Denton, 30 November 2015

**AIAS Symposium:** *1st Symposium Meeting on Genes, Reproduction and Development*. The symposium brought together international experts of the field: 3 keynote talks and 13 papers were given. Organized by AIAS Fellow Karin Lykke-Hartmann, 1 December 2015

**PhD Masterclass:** 'Executions: Conversations on code, power & death': 12 individual presentations by PhD students; organized by AIAS Fellow Christian Ulrik Andersen and AU collaborators, 4 December 2015

**AIAS Guest lectures and Workshop:** Two keynote lectures by Prof. Wendy Chun, Chair of Modern Culture and Media, Brown University, USA and Geoff Cox, PIT, Aarhus University followed by the workshop 'Critical Software Thing: Open workshop about software execution and death'; organized by AIAS Fellow Christian Ulrik Andersen, 4 December 2015

**AIAS Fellows' Seminar:** 'Jews and Jewish Communities in the Early Byzantine Balkans and the Aegean. Communal organisation and everyday life' by AIAS Fellow Alexander Panayotov, 7 December 2015

**AIAS Workshop:** a post-conference workshop related to the April 2015 AIAS Conference *More Than Pretty Pictures* organized by AIAS Fellows Rikke Schmidt Kjærgaard and Lotte Philipson, 14-15 December 2015

**AIAS Workshop:** 'Biowide analysis workshop' organized by AIAS Fellow Toke T. Høye, 21-22 January 2016

**AIAS Fellows' Seminar:** 'Understanding Disease and Health in HD: A structural biology approach on proteins causing bacterial infections' by AIAS Fellow Úmit Akbey, 1 February 2016

**AIAS Fellows' Seminar:** 'Politicizing Space: The Issue of homelessness in contemporary British drama' by AIAS Fellow Dorothee Birke, 8 February 2016

**AIAS Guest Seminar:** 'Vitamin B12 and Drug Development' by Dr. Robert P. Doyle, SUNY, Upstate Medical University Syracuse, New York, USA; invited and organized by AIAS Fellow Rima Obeid, 15 February 2016

**AIAS Fellows' Seminar:** 'Ecophysiology of Soil Invertebrates: Evolutionary and plastic responses to environmental challenge' by AIAS Fellow Martin Holmstrup, 22 February 2016

**AIAS Guest Seminar:** 'Electronic Chiral Spectroscopies: recent novel contributions of theory and computational science' by Dr. Antoni Rizzo, Istituto per i Processi Chimico-Fisici (IPCF), National Research Council, CNR, Pisa, Italy; invited and organized by AIAS Fellow Sonia Coriani, 26 February 2016

**AIAS Fellows' Seminar:** 'Benefits and Favours. The shady side of democracy?' by AIAS Fellow Isabel Kusche, 7 March 2016

**AIAS Fellows' Seminar:** 'Metric Life: The biopolitics of the quantified self' by AIAS Fellow Btihaj Ajana, 14 March 2016

**AIAS Fellows' Seminar:** 'Translational Epigenetics. Epigenetic biomarkers: discovery, validation and clinical applications' by AIAS Fellow Tomasz K. Wojdacz, 4 April 2016

**AIAS Conference:** *Bifocal Perspectives on the Black Sea: Macro- and Microcosms*. International 3-day conference organized by AIAS Fellows Consuelo Manetta and Orietta Cordovana in collaboration with David Braund (Exeter University, UK), Gianfranco Chiai (Brandenburgische Akademie der Wissenschaften, Berlin, Germany), Birte Poulsen and Vladimir Stolba (Aarhus University, DK). The event gathered experts within the field of Black Sea research from all over the world. During the 4 sessions, 4 keynote talks and 18 papers were given, 6-8 April 2016

**Joint AIAS and DANDRITE Guest Lecture:** 'Single-molecule techniques for studying the aggregates of proteins associated with Parkinson's and Alzheimer's disease' by Mathew H. Horrocks, University of Cambridge, Dept. of Chemistry, UK; organized by AIAS Fellow Magnus Kjærgaard and DANDRITE, 18 April 2016

**AIAS at the Festival of Research:** AIAS Fellows Ronald Fischer, Jessica Barker and Óscar José Martín García presented their research for the public via three, individual 20-minute speed-talks. Jessica Barker gave the talk 'Nice guys finish first: the evolution, ecology and economics of cooperation'; Óscar José Martín García talked about 'Winning hearts and minds. American soft power and cold war' and Ronald Fischer took people into 'The mysterious power of pain' at the Festival of Research, Navitas, Aarhus University, Denmark, 29 April 2016



**AIAS Fellows' Seminar:** 'Attributing Political Minds: Narratological Analysis of Politicians' Personal Blogs' by AIAS Fellow Mari Hatavara, 2 May 2016

**AIAS Lecture:** 'Folate and B12 role in one-carbon metabolism and epigenetic regulation' by AIAS Fellow Rima Obeid, 11 May 2016

**AIAS Symposium:** *Narrative Selves in Art and the Everyday*. Two-day international symposium with talks by 4 keynote speakers and 11 speakers organized by AIAS Fellow Mari Hatavara, 12 May 2016

**AIAS Internal Seminar:** 'Multidisciplinary, Interdisciplinary, Transdisciplinary Research – What, Why, How?' Invited talk by Meredith Root-Bernstein, Dept. of Bioscience, Aarhus University on 'Problem solving and problem generation through crossing disciplines'. Five individual talks by AIAS Fellows Alfonso Blazquez-Castro, Iryna Mazhak, Djuke Veldhuis, Jessica Barker and by AIAS Director Morten Kyndrup, 17 May 2016

**AIAS Fellows' Seminar:** 'Computational Modeling of Light-matter Interactions: What is it about and why do we care?' by AIAS Fellow Sonia Coriani, 23 May 2016

**AIAS Fellows' Seminar:** 'Speciation: The evolution of reproductive proteins' by AIAS Fellow Julieta Goenaga, 6 June 2016

**AIAS Summer Gathering:** Academic and social reunion for current and former AIAS Fellows. Invited Former Fellows' talks by Karin Lykke-Hartman, Karl-Erik Andersson, Christian Ulrik Andersen, Paul W. Denton and Toke Thomas Høye, 10 June 2016

**AIAS Workshop:** *The Quantified Self and The Rise of Self-tracking Culture*: 4 panels with 3-4 speakers followed by a joint discussion; organized by AIAS Fellow Btihaj Ajana, 15 June 2016

**AIAS Guest Talk:** 'Time resolved photoelectron spectroscopy as a probe for ultrafast excited state dynamics' by Dr. Aurora Ponzi, Dept. of Physical Chemistry, Ruđer Bošković Institute, Croatia; invited by AIAS Fellow Sonia Coriani, 16 June 2016

**AIAS Guest Talk:** 'Dissecting the Cancer Genome; the example of CLL and associated disorders' by Jonathan Strefford, Cancer Molecular Genetics Within Medicine, University of Southampton, UK; invited and organized by AIAS Fellow Tomasz K. Wojdacz in collaboration with Lise Lotte Hansen, Associate Prof., Dept. of Biomedicine, Aarhus University, 17 June 2016

**AIAS Dual Guest Seminar:** with Associate Prof. Maite Castro, Institute of Biochemistry and Microbiology, University of Austral de Chile, Valdivia, Chile and Prof. Cristoforo Scavone, Department of Pharmacology, Institute of Biomedical Science, University of São Paulo, Brazil; invited and organized by AIAS Former Fellow Karin Lykke-Hartmann, Dept. of Biomedicine, AU, 30 June 2016

**AIAS Advisory Board Meeting:** participation by the AIAS Board of Directors, the international AIAS Advisory Board and the AIAS Management, 17 August 2016







# HOSTED EVENTS





Institutes and departments at **Aarhus University as well as external institutions** have continued to utilize the excellent facilities at AIAS. Also in the future, the Institute **welcomes** AU and external scholars to continue organizing academic events at AIAS – and to keep engaging with the AIAS Fellows **to further strengthen international relations and networks.** The snow-balling effect...

# HOSTED EVENTS

**Workshop:** 'Reproducible Analysis and Dynamic Documents Using Stata' organized by E. F. Haghish, University of Freiburg, 1 September 2015

**Lundbeckfond Lecture:** 'Gåden bag Astma, Eksem og Allergi' organized by Folkeuniversitetet, 2 September 2015

**DANDRITE Network Meeting:** '6th Annual Meeting for the Joint Nordic EMBL Partnership for Molecular Medicine' organized by DANDRITE, Aarhus University, 8-10 September 2015

**Meeting:** General assembly of the PhD Association at Science and Technology (PHAUST), Aarhus University, 10 September 2015

**UIC seminar:** 'Digital Aarhus, Aarhus Citizen Services at AU' organized by the International Centre, Aarhus University, 16 September 2015

**Symposium:** 'Tværfagligt symposium - Familie samfund, Gynækologi, klinisk Genetik, Socialmedicin og pædiatri'; organized by Prof. Ulla Breth Knudsen, Faculty of Health, Aarhus University, 18 September 2015

**Meeting:** 'Directors of Studies Meeting', Faculty of Health, Aarhus University, 18 September 2015

**Health Alumni Annual Meeting:** 'Jubilæumarrangement' for alumni; organized by the Faculty of Health, 25 September 2015

**UIC Seminar:** 'An Introduction to the Unwritten Rules of Danishness' by Conni Paldam, MD, lecturer; organized by the International Centre, Aarhus University, 30 September 2015

**Seminar:** 'Membranes seminar' organized by Marianne Rasmussen, Dept. of Biomedicine, Aarhus University, 1 October 2015

**Introduction Day:** for new PhD students from School of Business and Social Sciences; organized by Aarhus BSS HR & PhD, 6 October 2015

**Research Seminar:** 'How to get Published' organized by the four Graduate Schools at Aarhus University, 8 October 2015

**Lundbeckfond Lecture:** 'Blodprop i hjernen - om behandling og livet' organized by Folkeuniversitetet, 8 October 2015

**Kjeldgaard Lecture:** 'The Circadian Clock and Sleep in Flies: Molecules, Neurons and Circuits' by Michael Rosbash organized by the Dept. of Molecular Biology and Genetics, 16 October 2015

**Joint Kjeldgaard & DANDRITE Lecture:** 'Controlling neuronal and non-neuronal components of networks in neurodegeneration' by Francesco Roselli; organized by the Dept. of Molecular Biology and Genetics and DANDRITE, 22 October 2015

**Workshop:** 'Workshop on Small Rodent Anesthesia Equipment' organized by OPend, 27 October 2015

**Opening:** Opening of the Centre for Collaborative Health, Aarhus University, 27 October 2015

**Fetotox partner meeting:** 'Fetotox: Interaction between mother-fetus exposure to environmental toxicants and risk for abnormal development' organized by Centre for Arctic Health, Aarhus University, 28 October 2015

**Lundbeckfond Lecture:** 'Hvorfor Sundhedsdata?' organized by Folkeuniversitetet, 28 October 2015

**Symposium:** 'Brain Prize Winner Symposium' by David W. Tank organized by Prof. Anders Nykjær, Neurocampus, Aarhus University, 4 November 2015

**Lundbeckfond Lecture:** 'Den multitaskende hjerne' organized by Folkeuniversitetet, 11 November 2015

**UIC Seminar:** 'Curious about Aarhus Institute of Advanced Studies (AIAS) - and interested in art?' organized by University International Club, Aarhus University, 11 November 2015

**Arctic Seminar Series:** 'The Application of Phylogenetic Analyses to Studies of Cultural Evolution: An Example from Blackfoot Material Culture' by Matthew Walsh, Arctic Research Centre, Aarhus University, 17 November 2015

**Symposium:** 'Symposium in Systematic Review and Meta-analysis in Translational Preclinical Science' organized by Clinical Medicine, Faculty of Health, Aarhus University, 17 November 2015

**Workshop:** 'On data access' organized by the Research Unit for General Practice, Faculty of Health, Aarhus University, 20 November 2015

**Conference:** *Konference om Natur- og Vildtvenlige Tiltag* organized by SEGES and the Dept. of Bioscience, Aarhus University, 2 December 2015

**PhD defense:** by Nanna R. Lauridsen, Dept. of Bioscience, Aarhus University, 4 December 2015

**Conference:** *Aesthetics, Ethics and Biopolitics of the Posthuman* organized by Mads Rosendahl Thomsen and Jakob Wamberg, Faculty of Arts, Aarhus University, 10-11 December 2015

**ARC Project:** Commencing the Bering Strait Project organized by AIAS Former Fellow Rane Willerslev and Sean O'Neill, Arctic Research Centre, Aarhus University, 15 December 2015

**Workshop:** 'Generic Cities? The Future of sub-Saharan African urbanism' organized by Urban Disorders, Morten Nielsen, Dept. of Anthropology, Aarhus University, 17-18 December 2015

**PhD defense:** 'ACT, PET and MRI compatible pressure chamber system for baromedical research' by Kasper Hansen, Faculty of Health, Aarhus University, 4 January 2016

**MEPRICA symposium:** *Mixed Mental and Physical Multimorbidity – An Increasing Challenge in Modern Health Care* organized by Faculty of Health, Aarhus University, 19 January 2016

**PhD Course:** 'Sustainable Drinking Water Management; integrating health, environmental and socio-economic aspects' organized by the Graduate School of Science and Technology, Aarhus University, 26 January 2016

**DANDRITE encounters:** 'Insights on Opportunities for Research & Translational Collaborations with DANDRITE' organized by DANDRITE, Aarhus University, 9 February 2016

**Seminar:** 'Paris – Copenhagen – Paris: Countering Radicalization and Terrorism One Year after the Copenhagen Shootings' organized by the Dept. of Political Science, Aarhus University, 15 February 2016

**Meeting:** 'NAEDI - Comparative Project' organized by the Research Unit for General Practice, Faculty of Health, Aarhus University, 24-25 February 2016

**Lundbeckfond Lecture:** 'Når Hjertet Svigter' organized by Folkeuniversitetet, 9 March 2016

**SDQ Workshop:** organized by the Research Project Mindhood and Center for Collaborative Health, 17 March 2016

**Meeting:** 'Dialogue and Info Meeting on AUFF Starting Grants' organized by AUFF, Aarhus University Research Foundation, 29 March 2016

**Meeting:** 'Overview of the Danish Health Care System and History of Cancer in Denmark' organized by the Research Unit for General Practice, Faculty of Health, Aarhus University, 4 April 2016

**Lundbeckfond Lecture:** 'Parkinsons' organized by Folkeuniversitetet, 11 April 2016

**Lundbeck Lecture:** 'Tryghed og radikalisering i Danmark' organized by Folkeuniversitetet/TrygFonden, 12 April 2016

**Kjeldgaard Lectures:** 'Protein-RNA Interactions and Function of Alternative 3' Untranslated Regions' organized by the Dept. of Molecular Biology and Genetics, Aarhus University, 21 April 2016

**MEPRICA meeting:** organized by the Research Unit for General Practice, Faculty of Health, Aarhus University, 27 April 2016

**Kjeldgaard Lectures:** 'RNA Editing in Plant Organelles' organized by the Dept. of Molecular Biology and Genetics, Aarhus University, 28 April 2016

**Lundbeckfond Lecture:** 'Tarmen/ Incredible Intestines' organized by Folkeuniversitetet, 3 May 2016

**Meeting:** NOVANA meeting organized by Thomas Eske Holm, Dept. of Bioscience, Aarhus University, 3 May 2016

**Workshop:** 'On democracy and participation' organized by rethinkIMPACTS 2017, Aarhus University, 12 May 2016

**Conference:** *Literature Between Paper and Pixels* organized by Centre for Literature between Media, Aarhus University, 19-20 May 2016

**Lundbeckfond Lecture:** 'Sklerose' organized by Folkeuniversitetet, 26 May 2016

**Kjeldgaard Lectures:** 'Towards population-level microbiome monitoring: the Flemish Gut Flora Project' organized by the Dept. of Molecular Biology and Genetics, Aarhus University, 26 May 2016

**FOOD Staff Meeting:** organized by the Dept. of Food Science, Aarhus University, 27 May 2016

**Conference:** Sound Art Matters organized by Anette Vandsø, School of Communication and Culture, Denmark, 1-4 June 2016

**Conference:** *Travelling in time: the construction of past and future events across domains* organized by Con Amore, Aarhus University, 22-23 June 2016

# ORGANISATION, STAFF AND FUNDING

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## AIAS GAINS FUNDING FOR EURIAS COFUND FELLOWSHIPS



In the early Spring of 2016, AIAS submitted a formal application to be granted membership of the joint fellowship programme of EURIAS (The European Institutes for Advanced Study).

AIAS was formally welcomed as a EURIAS member at the programme's annual meeting in Jerusalem in April 2016 and will thus annually have two junior EURIAS fellowships available for application over the next two years. AIAS was granted membership of NetIAS, a Network of leading European Institutes for Advanced Study in April 2015. The NetIAS network brings together 22 Institutes for Advanced Study across Europe – 18 of these Institutes are also part of the EURIAS Fellowship Programme that AIAS has joined this academic year.

The highly competitive programme welcomes high-level and innovative research proposals from both promising young scholars as well as from leading senior researchers worldwide. The 2016 call of the programme received more than 1000 applications.

Read more about the EURIAS Cofund programme at: [www.2017-2018.eurias-fp.eu/about-us](http://www.2017-2018.eurias-fp.eu/about-us)

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