

# ***General Information***

## **Registration Desk**

The registration desk is located in foyer of the main lecture hall in the Langenbeck-Virchow-Haus. Please check in to receive your name badge and conference materials. Name badges are required at all times in order to access sessions and events. The registration desk will be open during the following hours:

Tuesday, June 4: 11:00 am – 5:00 pm  
Wednesday, June 5: 9:00 am – 5:00 pm  
Thursday, June 6: 8:00 am – 5:00 pm  
Friday, June 7: 8:00 am – 3:00 pm  
Saturday, June 8: 8:00 am – 2:00 pm

The registration desk will be closed Friday, and Saturday during lunch.

## **Chairs/Co-Chairs**

Chairs of the sessions should be in the designated room at least 10 minutes before the session starts in order to assist the speakers. Every effort should be made to keep the session on schedule.

## **Symposium and Oral Session Speakers**

Speakers should go to the designated room a minimum of 10 minutes before the session starts. Please introduce yourself to the Chair of your session. Speakers must strictly adhere to the allocated time.

## **Poster Presenters**

The Poster Sessions will be held in the foyer of the main lecture hall in the Langenbeck-Virchow-Haus. Push pins for mounting the posters will be provided. Poster size is limited to a width of 92 cm and height of 121 cm. Look for your poster number in this Program Book. Remaining posters may be discarded if they are not taken down promptly.

*Poster Session 1:* You may begin to hang your posters the morning of Thursday, June 6<sup>th</sup>. Please remove your posters no later than the morning of Friday, June 7<sup>th</sup>.

*Poster Session 2:* You may begin to hang your posters the evening of Friday, June 7<sup>th</sup>. Please remove your posters after the session on Saturday, June 8<sup>th</sup>.

## **Poster Data Blitz**

The Poster Data Blitz talks will take place in the main lecture hall in the Langenbeck-Virchow-Haus. All Data Blitz participants will give a 2-minute oral presentation with a maximum of 2 slides. Given their brevity, please upload all files the day before your talk at the registration desk. ***If you do not upload your talk in time, we cannot include your presentation.***

## **PNIRS Trainee Social**

PNIRS Trainee Social is on **Friday, June 7** from 8-10 pm at a place TBD. Directions will be available at the registration desk. Nametag will be required for entrance.

## **Guests**

Guests accompanying registrants are welcome to attend the Opening Reception and Banquet as long as they have registered. Guest tickets for both events can be purchased at the registration desk.

## **Phones and WiFi**

As a courtesy to presenters, speakers, and attendees, please switch cell phones to silent mode during all sessions and speakers. Please leave the session when answering calls. WiFi will be available at the meeting.

## **Lost and Found**

If you find articles left behind by other conference attendees, please bring items to the PNIRS registration desk for safe-keeping.

## **Certificates of Attendance and Participation**

Please e-mail [pnirs@pnirs.org](mailto:pnirs@pnirs.org) to request a certificate. It will be e-mailed to you after the conference.

## ***The Norman Cousins Award Lecture***



The Norman Cousins Award is the highest honor given by the *PsychoNeuroImmunology Research Society* to an individual for outstanding contributions to research in psychoneuroimmunology. Norman Cousins was an articulate spokesman and advocate for psychoneuroimmunology, whose support and generosity has facilitated the career development of many investigators in this interdisciplinary field of endeavor. To contribute to the advancement of knowledge in psychoneuroimmunology, Ellen Cousins, Norman's wife, created the Norman Cousins Memorial Fund, and the California Wellness Foundation provided the endowment for the Norman Cousins Memorial Award and Lecture to be delivered as a highlight of the annual meeting of the *PsychoNeuroImmunology Research Society*.

### **2019 Norman Cousins Award Lecture**

*TBD*

**Monika Fleshner, PhD**

Professor

University of Colorado, Boulder, CO  
Department of Integrative Physiology

## ***The Robert Ader New Investigator Award***



In honor of Dr. Robert Ader, a pioneer in the field of psychoneuroimmunology, the *PsychoNeuroImmunology Research Society* presents the Robert Ader New Investigator Award. This prestigious award is presented to an outstanding new research scientist who has made exciting basic science or clinical contributions to the field of PNI. The award honors Dr. Ader's innovation and creativity as a scientist and recognizes his contributions to the instantiation of PNI as a meaningful endeavor dedicated to the betterment of health and the prevention of disease.

### **2019 Robert Ader New Investigator Award Lecture**

*TBD*

**Judith Carroll, PhD**

Associate Professor

University of California Los Angeles, Los Angeles, CA  
David Geffen School of Medicine  
Department of Psychiatry

### **2020 COUSINS AND ADER AWARDS**

The winners of the 2020 Norman Cousins Award Lecture and the Robert Ader New Investigator Award will be announced at the Closing Banquet on Saturday, June 8<sup>th</sup>.

## ***The George Solomon Memorial Lecture***



The George Solomon Memorial Lecture was newly established in 2014 and is named for a most prominent figure in the history of PNI. George Solomon was truly a visionary; very early in his career, he came to believe that certain diseases, such as autoimmune diseases, were modified by psychological factors. His formal investigations into the connections between the mind and body, as well as their implications for health and disease date back to his first published reports in the early 1960's. Throughout his illustrious career, Dr. Solomon was a strong leader of our field, an outspoken advocate for our science, and a warm and generous collaborator, mentor and friend. This lecture has been endowed by his wife, Susan Keran Solomon, to honor the history of PNI and the Society, and to provide an annual forum for discussion of the important interconnections between psychological and physical processes for health and illness.

### **2019 George Solomon Memorial Lecture**

*TBD*

**Susan Lutgendorf, PhD**  
Professor & Starch Faculty Fellow  
Department of Psychological and Brain Sciences  
University of Iowa, Iowa City, IA

## ***The Glaser Frontiers in PNI Lecture***



**PsychoNeuroImmunology**  
Research Society

The Glaser Frontiers in Psychoneuroimmunology lecture, formerly the Frontiers in Psychoneuroimmunology lecture, is supported by generous donations to the Ronald Glaser Fund. The Ronald Glaser Fund was established in 2017 to honor Ron for all his contributions to the field of psychoneuroimmunology. As a pioneer in our field, Ron made contributions that have advanced psychoneuroimmunology in many ways. His efforts provided exemplary support for colleagues, trainees and patients around the world with stress-associated illnesses. The "Frontiers" lecture will serve as recognition of Ron's influence across a broad spectrum of biology and medicine and honor those contributions. To make a donation, please visit <https://www.pnirs.org/portal/donations/>.

### **2019 Frontiers in PNI Lecture**

*Nature, Nurture, and your inner Neanderthal: Dissecting Evolutionary Drivers of Immune Function*

**Lluís Quintana-Murci, PhD**  
Department of Genomes and Genetics  
Institut Pasteur, Paris, France



# PNIRS 2019 Schedule at a Glance

Time	Tuesday June 4	Wednesday June 5	Thursday June 6	Friday June 7	Saturday June 8
8:00 - 8:30		GEBIN Meeting	Committee Meetings	Welcome	Oral Session 3
8:30 - 9:00					
9:00 - 9:30		Break	Scientific Affairs 9:30-10:30	Break	Break
9:30 - 10:00			GEBIN Meeting		
10:00 - 10:30		GEBIN Meeting		Nominating 11:15-12:00	Robert Ader Lecture
10:30 - 11:00			GEBIN Meeting	Communications 12:00-12:30	
11:00 - 11:30		GEBIN Meeting		Board of Directors Meeting (with lunch)	Lunch Provided
11:30 - 12:00			GEBIN Meeting		
12:00 - 12:30		GEBIN Meeting		Board of Directors Meeting (with lunch)	Oral Session 1
12:30 - 13:00			GEBIN Meeting		
13:00 - 13:30	GEBIN Meeting	GEBIN Meeting		Board of Directors Meeting (with lunch)	Oral Session 1
13:30 - 14:00			GEBIN Meeting		
14:00 - 14:30	GEBIN Meeting	GEBIN Meeting		Board of Directors Meeting (with lunch)	Oral Session 1
14:30 - 15:00			GEBIN Meeting		
15:00 - 15:30	Break	Educational Short Course GEBIN + PNIRS <i>Neuroinflammation and Aging: Novel Techniques and Emerging Technologies</i>		Poster Session 1	Free Afternoon
15:30 - 16:00	GEBIN Meeting		Educational Short Course GEBIN + PNIRS <i>Neuroinflammation and Aging: Novel Techniques and Emerging Technologies</i>		
16:00 - 16:30		GEBIN Meeting		Educational Short Course GEBIN + PNIRS <i>Neuroinflammation and Aging: Novel Techniques and Emerging Technologies</i>	Poster Session 1
16:30 - 17:00	GEBIN Meeting		Educational Short Course GEBIN + PNIRS <i>Neuroinflammation and Aging: Novel Techniques and Emerging Technologies</i>		
17:00 - 17:30		GEBIN Meeting		Educational Short Course GEBIN + PNIRS <i>Neuroinflammation and Aging: Novel Techniques and Emerging Technologies</i>	Poster Session 1
17:30 - 18:00	GEBIN Meeting		Educational Short Course GEBIN + PNIRS <i>Neuroinflammation and Aging: Novel Techniques and Emerging Technologies</i>		
18:00 - 18:30		Break		Break	Norman Cousins Lecture
18:30 - 19:00	GEBIN Meeting	Trainee-Mentor Colloquium	Norman Cousins Lecture	Sightseeing Tours	
19:00 - 19:30					GEBIN Meeting
19:30 - 20:00	GEBIN Meeting	Trainee-Mentor Colloquium	Norman Cousins Lecture	Sightseeing Tours	
20:00 - 20:30					GEBIN Meeting
20:30 - 21:00	GEBIN Trainee Dinner				
	GEBIN Trainee Dinner			PNIRS Trainee Dinner	

# Wednesday, June 5

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## 8:30-3:00 COMMITTEE MEETINGS

- 8:30 Financial Committee
- 9:30 Scientific Affairs Committee
- 10:30 Membership Committee
- 11:15 Nominating Committee
- 12:00 Communications Committee
- 12:30 Board of Directors Meeting (lunch included)

## 3:00-6:00 EDUCATIONAL SHORT COURSE

*Room: Hörsaalruine (lecture hall ruin)*

Moderator: Cobi Heijnen

### **Neuroinflammation and Aging: Novel Techniques and Emerging Technologies**

*Cytof Mapping of the Brains Immune System*

**Asya Rolls**

Technion-Israel Institute of Technology, Haifa, Israel

*Mapping of Central and Peripheral Cells using Single Cell Sequencing*

**Francesco Bifari**

University of Milan, Milan, Italy

*Imaging of Monocytes vs. Microglia in-vivo*

**Martin Kerschensteiner**

Ludwig-Maximilians-Universität München, Munich, Germany

*Translational Opportunities*

**Steve Cole**

University of California, Los Angeles College of Medicine, Los Angeles, California

## 6:30-8:30 PNIRS TRAINEE MENTOR COLLOQUIUM

(All Trainees, refreshments will be provided)

# Thursday, June 6

8:30-9:00

## WELCOME

Room: Main lecture hall in the Langenbeck-Virchow-Haus  
Deb Hodgson, President PNIRS

9:00-11:00

## MEMBER SPONSORED SYMPOSIUM

Room: Main lecture hall in the Langenbeck-Virchow-Haus  
Chair: Eric Wohleb

### ***The 'formative' role of microglia across development, stress, and aging***

*Microglia as regulators of sex differences in brain and behavioral development*

**Kathryn M. Lenz**

The Ohio State University, Columbus, Ohio

*Dynamic neuron-microglia interactions contribute to stress-induced synaptic deficits and depressive-like behaviors*

**Eric S. Wohleb**

University of Cincinnati College of Medicine, Cincinnati, Ohio

*Microglia-endothelial-monocyte interactions augment stress-induced anxiety*

**Dan McKim**

University of Illinois, Urbana-Champaign, Illinois

*Dark microglia across contexts of health and disease*

**Marie-Eve Tremblay**

Université Laval, Quebec City, Quebec, Canada

Discussant: **Jonathan P. Godbout**, The Ohio State University, Columbus, Ohio

11:00-11:30

## BREAK

Room TBD

11:30-12:30

## GLASER-FRONTIERS IN PSYCHONEUROIMMUNOLOGY

Room: Main lecture hall in the Langenbeck-Virchow-Haus  
Chair:



*Nature, Nurture, and your inner Neanderthal: Dissecting Evolutionary Drivers of Immune Function*

**Lluís Quintana-Murci, PhD**

Department of Genomes and Genetics  
Institut Pasteur, Paris, France

12:30-1:00

## POSTER DATA BLITZ I

Room: Main lecture hall in the Langenbeck-Virchow-Haus  
Chair:

1:00-2:00

## LUNCH

Room: Foyer of the main lecture hall in the Langenbeck-Virchow-Haus  
**Concurrently: Leader Luncheon** (Invitation only)  
Room TBD

**2:00-3:30**

**ORAL SESSION 1**

*Room: Main lecture hall in the Langenbeck-Virchow-Haus*

Chair:

**3:30-5:00**

**POSTER SESSION 1**

*Room: Foyer of the main lecture hall in the Langenbeck-Virchow-Haus*

See poster number list in back of program. The number in bracket [nnnn] indicates the abstract number in the booklet.

**5:00-6:00**

**NORMAN COUSINS MEMORIAL LECTURE**

*Room: Main lecture hall in the Langenbeck-Virchow-Haus*

Nominators: Mark Laudenslager, Keith Kelley, Michael Irwin, and Andrew Miller



*TBD*

**Monika Fleshner, PhD**

Professor, Department of Integrative Physiology  
University of Colorado, Boulder, CO

**6:00-10:00**

**WELCOME RECEPTION (Included)**

*Natural History Museum*

*Invalidenstraße 43, 10115 Berlin, Germany*



# Friday, June 7

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## 8:30-10:15 **PRESIDENTIAL SYMPOSIUM**

Room: Main lecture hall in the Langenbeck-Virchow-Haus

Chair: Deb Hodgson

### **Early Life Trajectories toward Health; the Brain, the Gut, and the Immune System**

Tentative title: *Prenatal Inflammation by Combined Environmental Stressors and Implications for Health throughout the Lifespan.*

**Staci Bilbo**

Harvard University, Director of Research, Lurie Center for Autism, Boston, MA

Tentative title: *Microglia at the Crossroads of Early Brain Circuits and Microbiota*

**Sonia Garel**

Institute of Biology of the Ecole Normale Supérieure (IBENS), Paris, France

Tentative title: *Developmental Trajectories*

**Quentin Pittman**

Department of Physiology and Pharmacology, University of Calgary, Calgary, Alberta, Canada

Tentative title: *Schizophrenia – an Early Life Programming Phenomena*

**Urs Meyer**

Institute of Veterinary Pharmacology and Toxicology, University of Zurich, Vetsuisse, Switzerland

## 10:15 **PRESENTATION OF THE BBI IMPACT AWARD**

Room: Main lecture hall in the Langenbeck-Virchow-Haus

Presenter: Keith Kelley, Carmine Pariante, and Rachael Engels

## 10:30-11:00 **BREAK**

TBD

## 11:00-12:30 **GEBIN SPONSORED SYMPOSIUM**

Room: Main lecture hall in the Langenbeck-Virchow-Haus

Chair: Stefan Reber

### **Microbes and Stress Resilience**

Tentative title: *Prebiotics and probiotics to attenuate the exacerbating effects of stress on intestinal inflammation.*

**Michael T. Bailey**

Center for Microbial Pathogenesis, the Research Institute at Nationwide Children's Hospital, Columbus, Ohio

Tentative title: *Immunization with Mycobacterium vaccae induces an anti-inflammatory milieu in the CNS: Attenuation of stress-induced microglial priming, alarmins and anxiety-like behavior.*

**Matt Frank**

Department of Psychology and Neuroscience, University of Colorado Boulder, Boulder, Colorado

Tentative title: *Peripheral and central effects of Mycobacterium vaccae on mice exposed to both early life adversity and chronic stress during adulthood.*

**Stefan O. Reber**

University of Ulm, Department of Psychosomatic Medicine and Psychotherapy, Laboratory for Molecular Psychosomatics, Ulm, Germany

**12:30-1:00 ROBERT ADER LECTURE**

*Room: Main lecture hall in the Langenbeck-Virchow-Haus*

Chair:



*TBD*

**Judith Carroll, PhD**

Associate Professor, David Geffen School of Medicine  
University of California at Los Angeles, Los Angeles, CA

**1:00-2:00 LUNCH**

*On your own*

**2:00-3:30 ORAL SESSION 2**

*Room: Main lecture hall in the Langenbeck-Virchow-Haus*

Chair:

**FREE AFTERNOON**

**Boat Tour**

**8:00-11:00 PNIRS Trainee Social**

*Location TBD*

# Saturday, June 8

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**8:30-10:00 ORAL SESSION 3**

*Room: Main lecture hall in the Langenbeck-Virchow-Haus*

Chair:

**10:00-10:30 BREAK**

*Room TBD*

**10:30-12:30 MEMBER SPONSORED SYMPOSIUM**

*Room: Main lecture hall in the Langenbeck-Virchow-Haus*

Chair: Mats Lekander and John Axelsson

**Disease avoidance: our first line of defense against pathogenic threats**

*Evolution of behaviors to avoid pathogens and to improve recovery from infection*

**Benjamin Hart**

University of California, Davis, School of Veterinary Medicine, Davis, California

*Avoidance of biological contaminants in non-human primates*

**Cécile Sarabian**

Primate Research Institute, Kyoto University, Inuyama, Aichi, Japan

*Perceptual disease detection, social consequences and human sickness*

**Mats Lekander & John Axelsson**

Stockholm University and Karolinska Institutet, Stockholm, Sweden

*Disgust as an adaptive system for disease avoidance behavior*

**Valerie Curtis**

London School of Hygiene and Tropical Medicine, London, UK

Discussants: **Mats Lekander & John Axelsson**, Stockholm University and

Karolinska Institutet, Stockholm, Sweden

**12:30-1:00 POSTER DATA BLITZ 2**

*Room: Main lecture hall in the Langenbeck-Virchow-Haus*

Chair:

**1:00-2:00 LUNCH**

*Room: Foyer of the main lecture hall in the Langenbeck-Virchow-Haus*

**Concurrently: BBI Editorial Board Meeting** (Invitation only)

*Room TBD*

**2:00-3:30 POSTER SESSION 2**

*Room: Foyer of the main lecture hall in the Langenbeck-Virchow-Haus*

See poster number list in back of program. The number in bracket [nnnn] indicates the abstract number in the booklet.

**3:30-4:30**

**GEORGE SOLOMON MEMORIAL LECTURE**

*Room: Main lecture hall in the Langenbeck-Virchow-Haus*

Chair:



*TBD*

**Susan Lutgendorf, PhD**

Professor and Starch Faculty Fellow

Department of Psychological and Brain Sciences

University of Iowa, Iowa City, IA

**4:30-5:30**

**BUSINESS MEETING** (All attendees are encouraged to attend)

*Room: Main lecture hall in the Langenbeck-Virchow-Haus*

**7:00-**

**CLOSING BANQUET** (Included)

*Clärchens Ballhaus,*

*Auguststrasse 24, 10117 Berlin.*

Presentation of the 2020 Norman Cousins and Robert Ader New Investigator Awards