



Alexander von Humboldt
Stiftung/Foundation

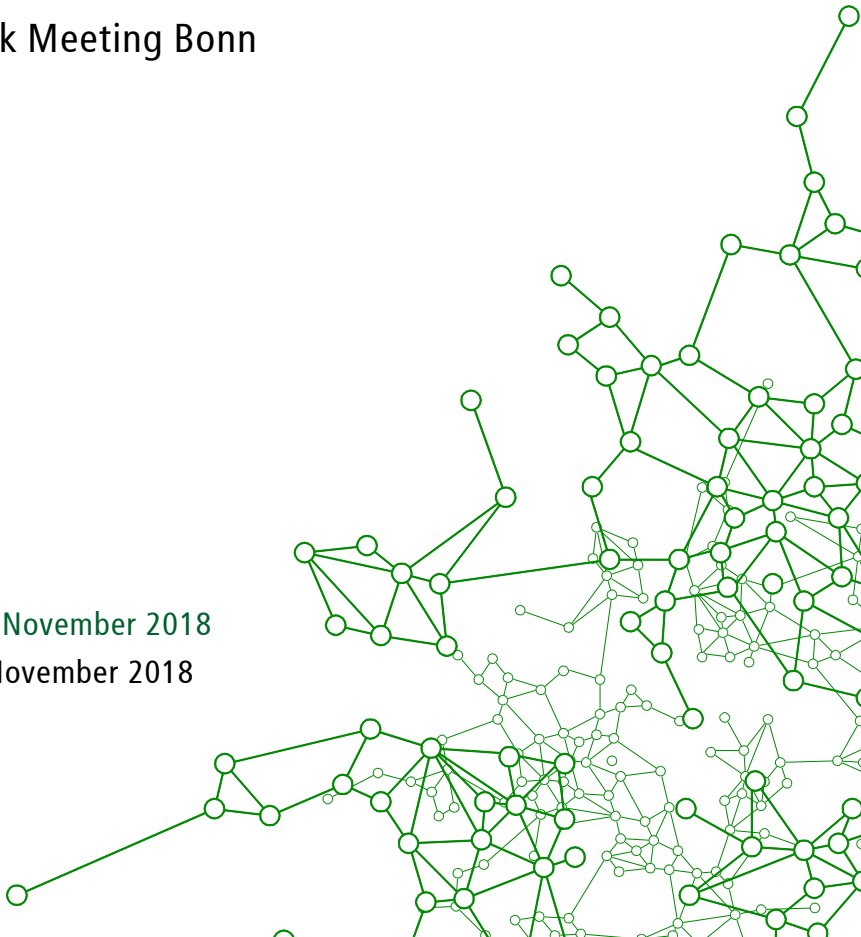
Programm/Programme

Netzwerktagung Bonn

Network Meeting Bonn

14. – 16. November 2018

14 – 16 November 2018



Netzwerktagung
der Alexander von Humboldt-Stiftung

14. – 16. November 2018
Universität Bonn

Network Meeting
of the Alexander von Humboldt Foundation

14 – 16 November 2018
University of Bonn

Programm

Mittwoch, 14. November 2018

ab 12:30 Uhr	Ankunft und Registrierung der Teilnehmerinnen und Teilnehmer in den Hotels: <i>Sternhotel Bonn</i> <i>Markt 8</i> <i>53111 Bonn</i>	<i>Maritim Hotel</i> <i>Kurt-Georg-Kiesinger-Allee 1</i> <i>53175 Bonn</i>
ab 14:00 Uhr	Registrierung der Teilnehmerinnen und Teilnehmer in der Universität Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn Universitätshauptgebäude Aula Am Hof 3, 53113 Bonn
14:30 Uhr	Fußweg vom Sternhotel Bonn zur Universität Bonn Bustransfer vom Maritim Hotel zur Universität Bonn	Sternhotel Bonn Maritim Hotel Bonn
15:00 Uhr	Begrüßung Prof. Dr. Dr. h. c. Michael Hoch Rektor der Rheinischen Friedrich-Wilhelms-Universität Bonn Dr. Enno Aufderheide Generalsekretär der Alexander von Humboldt-Stiftung	Rheinische Friedrich-Wilhelms-Universität Bonn Universitätshauptgebäude Aula Am Hof 3, 53113 Bonn
15:30 Uhr	Eröffnungsvortrag Prof. Dr. Michael Köhl Alexander von Humboldt-Professor 2013 Universität Bonn, Physikalisches Institut "Quantum Science and Technology – From Fundamental Physics to Applications"	
16:30 Uhr	Kaffee- und Teepause	Blaue Grotte
16:55 Uhr	Gemeinsamer Fußweg zu den Ländergruppen	
17:00 Uhr	Offene Diskussion in Ländergruppen – Fragen, Probleme, Hinweise (Details siehe Seite 13-14)	
18:30 Uhr	Bustransfer zum Parkrestaurant Rheinaue	
19:00 Uhr	Gemeinsames Abendessen	Parkrestaurant Rheinaue Ludwig-Erhard-Allee 20 53175 Bonn
21:30 Uhr	Bustransfer zum Sternhotel Bonn und zum Maritim Hotel Bonn	

Programme

Wednesday, 14 November 2018

from 12:30 p.m.	Arrival and registration of the participants at the hotels: <i>Sternhotel Bonn</i> <i>Markt 8</i> <i>53111 Bonn</i>	<i>Maritim Hotel</i> <i>Kurt-Georg-Kiesinger-Allee 1</i> <i>53175 Bonn</i>
from 2:00 p.m.	Registration of the participants at the University of Bonn	Rheinische Friedrich-Wilhelms-Universität Bonn Main building Aula Am Hof 3, 53113 Bonn
2:30 p.m.	Joint walk from the Sternhotel to the University of Bonn Transfer by bus from the Maritim Hotel to the University of Bonn	Sternhotel Bonn Maritim Hotel Bonn
3:00 p.m.	Welcome Address Prof. Dr. Dr. h. c. Michael Hoch Rector of the Rheinische Friedrich-Wilhelms-Universität Bonn Dr. Enno Aufderheide Secretary General of the Alexander von Humboldt Foundation	Rheinische Friedrich-Wilhelms-Universität Bonn Main building Aula Am Hof 3, 53113 Bonn
3:30 p.m.	Opening Lecture Prof. Dr. Michael Köhl Alexander von Humboldt-Professor 2013 University of Bonn "Quantum Science and Technology – From Fundamental Physics to Applications "	
4:30 p.m.	Coffee and tea break	Blaue Grotte
4:55 p.m.	Joint walk to the regional groups	
5:00 p.m.	Discussion in Regional Groups – Questions, Problems, Information (for details see pages 13-14)	
6:30 p.m.	Transfer by bus to the Parkrestaurant Rheinaue	
7:00 p.m.	Joint Dinner	Parkrestaurant Rheinaue Ludwig-Erhard-Allee 20 53175 Bonn
9:30 p.m.	Transfer by bus to the Sternhotel Bonn and Maritim Hotel Bonn	

Donnerstag, 15. November 2018

Gemeinsamer Bustransfer vom Maritim Hotel zu ausgewählten Instituten der Rheinischen Friedrich-Wilhelms-Universität Bonn

8:30 Uhr

Bustransfer
Fachgruppen 3, 4, 5, 6, 7, 8, 9

Maritim Hotel
Kurt-Georg-Kiesinger-Allee 1
53175 Bonn

Gemeinsamer Fußweg vom Sternhotel zu ausgewählten Instituten der Universität Bonn

8:30 Uhr

Gemeinsamer Fußweg
Fachgruppen 1+2

Sternhotel Bonn
Markt 8
53111 Bonn

9:00 Uhr

Besuche ausgewählter Forschungsinstitute der Rheinische Friedrich-Wilhelms-Universität Bonn: Kurzvorträge nach Fachgruppen

(Details siehe Seite 15-20)

1. Philosophie und Sozialwissenschaften
 2. Geschichte und Rechtswissenschaften
 3. Sprach- und Literaturwissenschaften, Fremde Sprachen und Kulturen
 4. Mathematik, Informatik und Theoretische Physik
 5. Angewandte Physik und Ingenieurwissenschaften
 6. Organische Chemie
 7. Anorganische Chemie
 8. Lebenswissenschaften I
 9. Lebenswissenschaften II
-

13:00 Uhr

Gemeinsamer Fußweg/Bustransfer von den Instituten zur Mensa

13:15 Uhr

Mittagessen

Mensa Nassestraße der
Universität Bonn

14:30 Uhr

Fußweg zu den Räumlichkeiten der Posterausstellung/Vorbereitung der Postersession durch die Teilnehmerinnen und Teilnehmer

14:45 Uhr

Postersession
(Details siehe Seite 21-27)

Rheinische Friedrich-Wilhelms-
Universität Bonn
Hauptgebäude, Blaue Grotte
Am Hof 3, 53113 Bonn

16:30 Uhr

Fußweg zum Sternhotel Bonn
Bustransfer zum Maritim Hotel Bonn

18:30 Uhr

Fußweg vom Sternhotel Bonn zur Universität
Bustransfer vom Maritim Hotel zur Universität

Thursday, 15 November 2018

Transfer by bus from the Maritim Hotel to selected institutes of the University of Bonn

8:30 a.m. Transfer by bus Maritim Hotel
Sections 3, 4, 5, 6, 7, 8, 9, Kurt-Georg-Kiesinger-Allee 1
53175 Bonn

Joint walk from the Sternhotel to selected institutes of the University of Bonn

8:30 a.m. Joint walk Sternhotel Bonn
Sections 1+2 Markt 8
53111 Bonn

9:00 a.m. **Visits of selected research institutes at the University of Bonn:
Presentations in groups according to disciplines**
(for details see pages 15-20)

1. Philosophy and Social Sciences
 2. History and Law
 3. Linguistics and Literary Studies, Foreign Languages and Cultures
 4. Mathematics, Computer Sciences and Theoretical Physics
 5. Applied Physics and Engineering
 6. Organic Chemistry
 7. Inorganic Chemistry
 8. Life Sciences I
 9. Life Sciences II
-

1:00 p.m. Joint walk/transfer by bus from the institutes to the canteen (Mensa)

1:15 p.m. **Lunch** Canteen Nassestraße of the
University of Bonn

2:30 p.m. Walk to the building of the poster session/Preparation of the poster
session by participants

2:45 p.m. **Postersession** Rheinische Friedrich-Wilhelms-
(for details see pages 21-27) Universität Bonn
Main building, Blaue Grotte
Am Hof 3, 53113 Bonn

4:30 p.m. Joint walk to the Sternhotel Bonn
Transfer by bus to the Maritim Hotel Bonn

6:30 p.m. Joint walk from the Sternhotel Bonn to the University of Bonn
Transfer by bus from the Maritim Hotel Bonn to the University of Bonn

19:00 Uhr	Begrüßung und Konzert Prof. Dr. Dr. h. c. Michael Hoch Rektor der Rheinischen Friedrich-Wilhelms- Universität Bonn Dr. Enno Aufderheide Generalsekretär der Alexander von Humboldt-Stiftung	Rheinische Friedrich- Wilhelms-Universität Bonn Universitätshauptgebäude Aula Am Hof 3, 53113 Bonn
anschließend	Empfang	Rheinische Friedrich- Wilhelms-Universität Bonn Universitätshauptgebäude Aula/Foyer Am Hof 3, 53113 Bonn
22:00 Uhr	Fußweg zum Sternhotel Bonn Bustransfer zum Maritim Hotel	

7:00 p.m.	Welcome Address and Concert Prof. Dr. Dr. h. c. Michael Hoch Rector of the Rheinische Friedrich-Wilhelms-Universität Bonn Dr. Enno Aufderheide Secretary General of the Alexander von Humboldt Foundation	Rheinische Friedrich-Wilhelms-Universität Bonn Main building Aula Am Hof 3, 53113 Bonn
followed by	Reception	Rheinische Friedrich-Wilhelms-Universität Bonn Main building Aula/Foyer Am Hof 3, 53113 Bonn
10:00 p.m.	Joint walk to the Sternhotel Bonn Transfer by bus to the Maritim Hotel Bonn	

Freitag, 16. November 2018

9:00 Uhr	Stadtführung Bonn (deutsch- und englischsprachig)
8:30 Uhr	Bustransfer vom Maritim Hotel zum gemeinsamen Treffpunkt am Sternhotel (bitte checken Sie bereits vor der Stadtführung aus; Ihr Gepäck kann währenddessen im Kofferraum des Maritim Hotels verstaut werden)
11:00 Uhr	Ende der Stadtführung am Sternhotel Bustransfer vom Sternhotel zum Maritim Hotel
ab 11:00 Uhr	Ende der Führungen und individuelle Abreise

Friday, 16 November 2018

9:00 a.m.	Guided city tour Bonn (German- and English-speaking)
8:30 a.m.	Transfer by bus from the Maritim Hotel to the meeting point at Sternhotel (please check out of your room before the guided city tour, your luggage can be stored in the Maritim hotel in the meantime)
11:00 a.m.	End of tour at the Sternhotel Transfer by bus from the Sternhotel to the Maritim Hotel
11:00 a.m.	End of the tours and individual departure

Freitag, 16. November 2018

Programm für deutsche Teilnehmerinnen und Teilnehmer

Maritim Hotel, Kurt-Georg-Kiesinger-Allee 1, 53175 Bonn

8:30 Uhr Bustransfer vom Sternhotel Bonn zum Maritim Hotel Bonn

9:00 Uhr **Begrüßung**

Dr. Monika Lieb, Abteilung Förderung und Netzwerk
Alexander von Humboldt-Stiftung

Erfahrungsberichte zurückgekehrter Forschungsstipendiatinnen und Forschungsstipendiaten

Dr. Paul Reinhold Eizenhöfer
Eberhard Karls Universität Tübingen / University of Pittsburgh, USA
"There and Back Again: A Fellow's Tale"

Dr. Andreas Orthey
Universität Stuttgart / National Institute of Advanced Industrial Science and
Technology (AIST), Tsukuba, Japan
„Als Postdoc unterwegs – Erfahrungen aus zwei Jahren Japan“

Vorstellung der „Deutschen Gesellschaft der Humboldtianer“

Prof. Dr. Jens Gebauer
Hochschule Rhein-Waal, Kleve

Informationen zur Alumniförderung

Dr. Monika Lieb, Abteilung Förderung und Netzwerk
Alexander von Humboldt-Stiftung

Plenardiskussion

Rückkehr nach Deutschland: Chancen und Strategien

Professorin Dr. Iris Finkemeier
Westfälische Wilhelms-Universität Münster / University of Oxford,
Vereinigtes Königreich

Prof. Dr. Jan Felix Gärtner
Universität Köln / Harvard University, Cambridge, USA

ab 13:00 Uhr Mittagessen und individuelle Abreise

Ländergruppen/ Regional Groups

14. November 2018, 17:00 – 18:30 Uhr/ 14 November 2018, 5:00 – 6:30 p.m.

Ländergruppe A/ Regional Group A

Raum/Room: Hauptgebäude, HS II

Moderation: Dr. Katrin Amian
Meike Brodé
Maria Rentmeister

Länder/Countries: Australien/Australia, Kanada/Canada, Neuseeland/New Zealand, USA/USA

Ländergruppe B/ Regional Group B

Raum/Room: Hauptgebäude, Großes Dozentenzimmer

Moderation: Katja Schmidt
Daniela Becker
Svetlana Strobel

Länder/Countries: VR China/P.R. China

Ländergruppe C/ Regional Group C

Raum/Room: Hauptgebäude, HS V

Moderation: Dr. Steffen Mehlich
Judith Köster
Martin Mittelbach

Länder/Countries: Bangladesh/Bangladesh, Indien/India, Japan/Japan, Korea/Korea, Malaysia/Malaysia, Pakistan/Pakistan, Singapur/Singapore, Thailand/ Thailand

Ländergruppe D/ Regional Group D

Raum/Room: Hauptgebäude, Aula

Moderation: Dr. Melanie Hanslik
Bianca Müller
Uwe Brieger

Länder/Countries: Estland/Estonia, Finnland/Finland, Niederlande/The Netherlands, Polen/Poland, Russische Föderation/Russian Federation, Ukraine/Ukraine, Vereinigtes Königreich/United Kingdom

Ländergruppen/ Regional Groups

Ländergruppe E/ Regional Group E

Raum/Room: Hauptgebäude, Aula

Moderation: Katrin Hecker
Constanze Sussek
Andrea Kunz

Länder/Countries: Frankreich/France, Griechenland/Greece, Italien/Italy, Serbien/Serbia, Schweiz/Switzerland, Slowakei/Slovakia, Spanien/Spain, Tschechische Republik/Czech Republic, Türkei/Turkey, Ungarn/Hungary

Ländergruppe F/ Regional Group F

Raum/Room: Hauptgebäude, Senatsaal

Moderation: Dr. Simone Heil
Dr. Anne Sperschneider
Carina Kamin

Länder/Countries: Argentinien/Argentina, Brasilien/Brazil, Chile/Chile, Mexiko/Mexico

Ländergruppe G/ Regional Group G

Raum/Room: Hauptgebäude, HS IV

Moderation: Sonja Spal
Markus Lamberz

Länder/Countries: Ägypten/Egypt, Iran/Iran, Israel/Israel, Jordanien/Jordan, Kamerun/Cameroon, Kenia/Kenya, Marokko/Morocco, Niger/Niger, Nigeria/Nigeria, Palästinensische Autonomiegebiete/ Autonomous Palestinian Territories, Senegal/Senegal, Simbabwe/Zimbabwe

Ländergruppe H/ Regional Group H

Raum/Room: Hauptgebäude, Festsaal

Moderation: Rebecca Großmann
Frederike Kipper
Britta Groß

Länder/Countries: Deutschland/Germany

Institutsbesuche in Fachgruppen

Visits of Selected Research Institutes

15. November 2018, 9:00 – 13:00 Uhr/ 15 November 2018, 9:00 a.m. – 1:00 p.m.

Fachgruppe 1 Section 1	Philosophie und Sozialwissenschaften Philosophy and Social Sciences
Institut/ Institute:	Universität Bonn Institut für Philosophie Poppelsdorfer Allee 28 53115 Bonn
Moderation:	Professor Dr. Michael Neil Forster
Humboldt-Stiftung/ Humboldt Foundation:	Dr. Steffen Mehlich Uwe Brieger Carina Kamin <i>"'Só lixo' – Just waste. Brazilian Waste-pickers Initiatives as Pedagogical Spaces and the Local Plausibility of Egalitarian Norms"</i> Dr. Benjamin Bunk <i>"The Theo-political Concept of Community: Deconstructing the Paradigm of Autarchy"</i> Dr. Martin Grassi <i>"Prenatal Stress, Structural Characteristics of Neonatal Brain and Child Self-Regulation Development: Magnetic Resonance Imaging Study in Two Birth Cohorts"</i> Dr. Saara Nolvi <i>"A Non-Idealistic Reinterpretation of Arthur Schopenhauer's Aesthetics"</i> Dr. Alexander Sattar
Fachgruppe 2 Section 2	Geschichte und Rechtswissenschaften History and Law
Institut/ Institute:	Universität Bonn Department of Islamic Studies and Languages of the Middle East Regina-Pacis Weg 7 53113 Bonn
Moderation:	Professorin Dr. Judith Pfeiffer
Humboldt-Stiftung/ Humboldt Foundation:	Dr. Simone Heil Martin Mittelbach Andrea Kunz

"Rhetorical Deception in the Courts of Classical Athens and its Detection"

Dr. Christos Kremmydas

„Die Kunstförderung der Staufer in Italien – Werke, geistiger Hintergrund und Hofkultur“

Dr. Francesca Soffientino

"Chinese Buddhist Philosophical Ethics of Belief"

Dr. Rafal Stepien

"Empirical Statecraft: The Emergence of an Information Empire in the Eighteenth-Century Spanish Atlantic"

Dr. Fidel Jose Tavarez

Fachgruppe 3

Sprach- und Literaturwissenschaften, Fremde Sprachen und Kulturen

Section 3

Linguistics and Literary Studies, Foreign Languages and Cultures

Institut/ Institute:

Universität Bonn
Institut für Anglistik, Amerikanistik und Keltologie
Regina-Pacis-Weg 5
53113 Bonn

Moderation:

Professorin Dr. Irina Dumitrescu

Humboldt-Stiftung/

Humboldt Foundation:

Dr. Anne Sperschneider
Meike Brodé
Maria Rentmeister

„Zur Untersuchung der Auseinandersetzung um 'naturwissenschaftliche Weltbilder' in der deutsch-brasilianischen Presse um 1900"

Dr. Julian Drews

"Remembering Feminist Participations in the Spanish Civil War: The Case Study of Women of Jewish Origins"

Dr. Cynthia Gabbay

"Digital Approach to Classical Arabic: Text Encoding and Linguistic Investigation"

Dr. Simona Olivieri

"West-African Popular Music, its Sources and Resources"

Dr. Ibrahima Wane

Fachgruppe 4
Section 4

Mathematik, Informatik und Theoretische Physik
Mathematics, Computer Sciences and Theoretical Physics

Institut/ Institute:

Universität Bonn
Hausdorff Center for Mathematics
Inst. f. Applied Mathematics
Endenicher Allee 60
53115 Bonn

Moderation:

Professor Dr. Stefan Müller

**Humboldt-Stiftung/
Humboldt Foundation:**

Daniela Becker
Bianca Müller

"Thermal Stability of Topological Spin Textures from First-principles Theory"

Dr. Pavel Bessarab

"The Role of Cold Gas in Galaxy Formation and Evolution"

Dr. Rajeshwari Dutta

"Binary Neutron Star Mergers: Gravitational Waves and the Multi-Messenger Era"

Dr. Antonios Nathanail

"Redshift Drift of Gravitational Lensing"

Dr. Oliver Fabio Piattella

Fachgruppe 5
Section 5

Angewandte Physik und Ingenieurwissenschaften
Applied Physics and Engineering

Institut/ Institute:

Universität Bonn
Institut für Angewandte Physik
Wegelerstr. 8
53115 Bonn

Moderation:

Professor Dr. Martin Weitz

**Humboldt-Stiftung/
Humboldt Foundation:**

Constanze Sussek
Katrin Hecker
Juliane Brenner

"Understanding the Nano-Bio Interface: Towards a Precise Engineering of Efficient Nanotherapeutics"

Prof. Dr. Alaaldin Alkilany

"Emmy Noether Research Group: Nano-Optical Spectroscopy of Quantum Matter"

Dr. Aliaksei Charnukha

"Segregation-driven Grain Boundary Spinodal Decomposition as a Pathway for Phase Nucleation in a High Entropy Alloy"

Dr. Linlin Li

"Materials Science Contributions to Sustainable Energy and Climate Change: Photocatalytic Materials for Solar Conversion to Fuels"

Dr. Caue Ribeiro de Oliveira

Fachgruppe 6
Section 6

Organische Chemie
Organic Chemistry

Institut/ Institute:

Universität Bonn
Kekulé-Institut für Organische Chemie und Biochemie
Gerhard-Domagk-Straße 1
53121 Bonn

Moderation:

Professor Dr. Dirk Menche

**Humboldt-Stiftung/
Humboldt Foundation:**

Dr. Melanie Hanslik
Frederike Kipper

"Small Molecule Induced Protein Degradation as a Novel Therapeutic Strategy"

Dr. Philipp Maximilian Cromm

"On the Synthesis of Bioactive Quinoidal Molecules via C-H Functionalization Logic: A new Frontier for Potent Trypanocidal Quinones"

Prof. Dr. Eufranio Da Silva Junior

"Geographical Traceability and Characterisation of White Truffle (Tuber Magnatum) Aroma Using Sensomics Approaches"

Dr. Jun Niimi

"Biosynthesis of Benzene, Toluene, and Ethylbenzene via Directed Evolution of Decarbon(x)ylyase"

Dr. Shuke Wu

Fachgruppe 7
Section 7

Anorganische Chemie
Inorganic Chemistry

Institut/ Institute:

Universität Bonn
Institut für Anorganische Chemie
Raum 1.032, 1. Etage
Gerhard-Domagk-Str. 1
53121 Bonn

Moderation:

Professor Dr. Rainer Streubel

**Humboldt-Stiftung/
Humboldt Foundation:**

Katja Schmidt
Judith Köster

"Negative Gas Adsorption – Rationalization of a Counterintuitive Phenomenon"
Simon Krause

"s- and p-Conjugated Polymers from Unsaturated Heavier Group 14 Building Blocks"
Dr. Paresh Kumar Majhi

"Organic Chelate-free and Azido-Rich Metal Clusters from the Use of Me₃SiN₃: A New Synthetic Route to Beautiful Structures With Diverse Magnetic Properties"
Prof. Dr. Theocharis Stamatatos

Fachgruppe 8
Section 8

Lebenswissenschaften I
Life Sciences I

Institut/ Institute:

Universität Bonn
Zentrum f. Molekulare Biodiversitätsforschung
Zoologisches Forschungsmuseum Alexander König
Adenauerallee 160
53113 Bonn

Moderation:

Professor Dr. Bernhard Misof

**Humboldt-Stiftung/
Humboldt Foundation:**

Dr. Katrin Amian
Svetlana Strobel

"Neuronal Basis of Rule-switching in Non-human Primates"
Dr. Thomas Elston

"What if Anything is a Species? Species Delimitation in Rapidly Speciating Lineages of Neotropical Cichlid Fishes"
Dr. Melisa Olave

"Phenotyping and Metabolic Engineering of Clostridium Ljungdahlii via CRISPRi/a"
Dr. Pengfei Xia

"The Role of New Neurons in Brain Damage Repair"
Dr. Angelica Zepeda Rivera

Fachgruppe 9
Section 9

Lebenswissenschaften II
Life Sciences II

Institut/ Institute:

Universität Bonn
Inst. f. Molekulare Physiologie und Biotechnologie der Pflanzen
Karlrobert-Kreiten-Str. 13
53115 Bonn

Moderation:

Professor Dr. Peter Dörmann

**Humboldt-Stiftung/
Humboldt Foundation:**

Sonja Spal
Markus Lamberz

*"Dissecting Developmentally Regulated 3D Genome
Organisation in Drosophila"*
Dr. Elizabeth Ing-Simmons

*"Fire Bringer: The Role of Small Molecule 6-thioguanine in Fire
Blight Disease"*
Dr. Anna Komor

*"Mapping of Viral Genomic Regions Responsible for Biological
Changes in Arabis Mosaic Virus and its Herbaceous Hosts"*
Dr. Shaheen Nourinejad Zarghani

*"Paleobiological Implications of Beetles in the Early Stages of
Modern Terrestrial Ecosystems"*
Dr. David Peris

Poster Session

Um einen guten Austausch zwischen allen Teilnehmenden zu ermöglichen, bitten wir die Poster-Autorinnen und -Autoren, mindestens während der folgenden Zeiten an ihrem Poster für Fragen zur Verfügung zu stehen:

To allow a lively dialogue between all participants, we kindly ask the poster authors to be present at their displays at least during the following time periods:

Fachgruppen 1+4/ Sections 1+4	14:45 – 15:05 Uhr / 2:45 – 3:05 p.m.
Fachgruppen 2+5/ Sections 2+5	15:05 – 15:25 Uhr / 3:05 – 3:25 p.m.
Fachgruppe 3/ Section 3	15:25 – 15:45 Uhr / 3:25 – 3:45 p.m.
Fachgruppen 6+8/ Sections 6+8	15:45 – 16:05 Uhr / 3:45 – 4:05 p.m.
Fachgruppen 7+9/ Sections 7+9	16:05 – 16:25 Uhr / 4:05 – 4:25 p.m.

Fachgruppe 1 **Philosophie und Sozialwissenschaften** **Section 1** **Philosophy and Social Sciences**

Anwesenheitszeit Autoren 14:45 – 15:05 Uhr
Attendance time authors 2:45 – 3:05 p.m.

P 01	Dr. Aine Ito <i>"How do we Predict what a Speaker is Likely to Say? Evaluating Prediction-by-production Model"</i>
P 02	Dr. Mathias Wirth <i>"Contractions: A New Mode of Thought in Religious Ethics?"</i>

Fachgruppe 2 **Geschichte und Rechtswissenschaften** **Section 2** **History and Law**

Anwesenheitszeit Autoren 15:05 – 15:25 Uhr
Attendance time authors 3:05 – 3:25 p.m.

P 03	Dr. Bin Shen <i>"Logistics Services under the One Belt One Road Initiative"</i>
P 04	Dr. Francesca Soffientino <i>„Die Kunstförderung der Stauer in Italien: Eine ‚dynastische‘ Sache“</i>

Fachgruppe 3 **Sprach- und Literaturwissenschaften,** **Section 3** **Fremde Sprachen und Kulturen** **Linguistics and Literary Studies, Foreign Languages and Cultures**

Anwesenheitszeit Autoren 15:25 – 15:45 Uhr
Attendance time authors 3:25 – 3:45 p.m.

P 05	Dr. Caitlin Flynn <i>"Femininity and Sexuality in Medieval Literature"</i>
P 06	Dr. Bayarma Khabtagaeva <i>"A Study on the History of Mongolic Word Formation"</i>

- P 07 Dr. Rosangela Lai
"Indigenous Minority Languages of Europe as Heritage Languages: The Case of Sardinian in Germany"
- P 08 Prof. Dr. Marco Antonio Martins
"Position of the Subject and Proclisis in Neutral Contexts [XP]V in 19th Century Brazilian Writing: Reflexes of a Parametric Change in BP"
- P 09 Joanna Raisbeck
„Selbstinszenierungen von Autoren in der Trivalliteratur des 18. Jahrhunderts“
- P 10 Prof. Dr. Virginia Sita-Farias
„Plurizentrik und lexikographische Kodifizierung am Beispiel des Spanischen und Portugiesischen – Theoretische und methodologische Probleme“

Fachgruppe 4 Mathematik, Informatik und Theoretische Physik
Section 4 Mathematics, Computer Sciences and Theoretical Physics

Anwesenheitszeit Autoren 14:45 – 15:05 Uhr
Attendance time authors 2:45 – 3:05 p.m.

- P 11 Dr. Pavel Bessarab
"Thermal Stability of Topological Spin Textures from First-principles Theory"
- P 12 Anton Classen
"Superresolution Via Structured Illumination Intensity Correlation Microscopy"
- P 13 Dr. Pablo de Vera Gomis
"Dynamics and Reactivity of Biomolecular Systems Under Ion Beam Radiation"
- P 14 Dr. Mohsen Jani Pour
"Tunable Infrared Energy Transfer through Surface Phonon Polaritons"
- P 15 Dr. Niklas Kolbe
"Mass Transport Type Schemes in Cancer Modeling and their Numerical Analysis"
- P 16 Dr. Ming-Chieh Lin
"Enhancing Efficiency and Stability of Fusion Gyrotrons Using 3D Full Wave Time Domain Particle-in-Cell Simulations"
- P 17 Prof. Dr. Chu Kiong Loo
"A Kernel Bayesian Adaptive Resonance Theory with a Topological Structure"
- P 18 Dr. Trivikram Nallamilli
"Protein-polysaccharide Complexes in the Stabilization of Emulsions and Foams in Food Applications"

- P 19 Dr. Andreas Orthey
"Robotic Motion Planning: A Quotient-Space Approach"
- P 20 Prof. Dr. Joao Paulo Papa
"Computer-Assisted Barrett's Esophagus Diagnosis"
- P 21 Dr. Stephan Reuter
"Single Shot Diagnostics of Atmospheric Plasmas at the Liquid Interface"
- P 22 Dr. Debasish Saha
"Study of Search Strategies Based on Diffusion with Stochastic Resetting"
- P 23 Dr. Leopold Scheffler
"Tin Nanocrystals in Silicon – How do They Emit Light?"
- P 24 Dr. Talitha Weiß
"Quantum State Tomography of Levitated Nanoparticles"
- P 25 Dr. Karen Amanda Yeats
"Combinatorial Structures in Quantum Field Theory"

Fachgruppe 5 Angewandte Physik und Ingenieurwissenschaften
Section 5 Applied Physics and Engineering

Anwesenheitszeit Autoren 15:05 – 15:25 Uhr

Attendance time authors 3:05 – 3:25 p.m.

- P 26 Dr. Dmytro Bozhko
"Parametric Magnons in Quantum Limit"
- P 27 Dr. Andrew Breen
"Direct 3D Observation of Hydrogen in Metals at the Atomic Scale"
- P 28 Dr. Aliaksei Charnukha
"Emmy Noether Research Group: Nano-Optical Spectroscopy of Quantum Matter"
- P 29 Jonas K. H. Fischer
"Insight into the Coupled Domains and Discovery of New Functionalities in Conical Spin-driven Multiferroics"
- P 30 Dr. Sunil Kumar
"Next Generation Technologies for Solid Waste Management in India"
- P 31 Dr. Felix Lang
"Identification of Radiation-Induced Defect States in Hybrid Perovskites"
- P 32 Dr. Syed Atif Pervez
"Overcoming the Issue of Interface Resistance in Solid-State Li-Ion Battery"

- P 33 Dr. Federico Schipani
"Conduction Mechanisms in Semiconducting Oxides Films for Gas Sensors Conformation"
- P 34 Prof. Dr. Sankaran Shanmugam
"Influence of Severe Cold Rolling on the Interface, Grain Boundary Structure and Al₃(Sc, Zr) Precipitation in Ultra-fine grained (UFG) Al-Mg-Sc-Zr Alloy"
- P 35 Dr. Sergio Soria
"Study of the Hydrogen Redistribution in Zirconium Alloys Under Concentration, Temperature and Stress Gradients Using Neutron Imaging"
- P 36 Dr. Roman Surmenev
"Biodegradable and Permanent Polymer-based Scaffolds for Regenerative Medicine and Energy-harvesting Applications"
- P 37 Dr. Jean-Nicolas Tisserant
"Nanoporous Thin Films of Organic Semiconductors for Gas Sensing Applications"
- P 38 Dr. Kateryna Trofymchuk
"Plasmon-Controlled Excitation Energy Transfer for Single-Molecule Fluorescence Enhancement"
- P 39 Prof. Dr. Zhiwei Zhu
"Fast Tool Servo Based Diamond Turning of Micro-Structured Surfaces"

Fachgruppe 6 **Organische Chemie**
Section 6 **Organic Chemistry**

Anwesenheitszeit Autoren 15:45 – 16:05 Uhr
Attendance time authors 3:45 – 4:05 p.m.

- P 40 Dr. Sara Cembellin
"Synthesis of Diheteroarylmethanes by Manganese(I)-Catalysis"
- P 41 Dr. Dirk Leifert
"Photoswitchable Conjugated Oligoelectrolyte"
- P 42 Dr. Suman Kumar Maity
"Cancer Cell Targeted Drug Delivery Mediated by Cell Penetrating Peptides Using Traceless Cleavable Linker"
- P 43 Dr. Nadja Anita Simeth
"Photocontrol of Gene Editing and Expression Using Light-Switchable Small Molecules"
- P 44 M.Sc. Johannes Christopher Ludwig Walker
"Regioselective Transfer Hydrodeuteration of Alkenes with a Hydrogen Deuteride Surrogate Using B(C₆F₅)₃ Catalysis"

P 45 Dr. Shuke Wu
"Biosynthesis of Benzene, Toluene, and Ethylbenzene via Directed Evolution of Decarbon(x)ylase"

Fachgruppe 7 **Anorganische Chemie**
Section 7 **Inorganic Chemistry**

Anwesenheitszeit Autoren 16:05 – 16:25 Uhr
Attendance time authors 4:05 – 4:25 p.m.

P 46 Dr. Alexander F. R. Kilpatrick
"Binuclear Nickel(I) Complexes for the Carboxylation of Alkenes and Alkynes with CO₂"

P 47 Simon Krause
"Negative Gas Adsorption – Rationalization of a Counterintuitive Phenomenon"

P 48 Dr. Haobo Li
"Towards Fundamentals of Confined Electrocatalysis in Nanoscale Reactors"

P 49 Dr. Jun Li
"Spectroscopy/Kinetics/Dynamics Studies on Neural Network Potential Energy Surfaces with Rigorous Permutation Symmetry"

P 50 Dr. Stefan Peters
"Testing Solar System Formation Models with Sulfur Isotope Measurements of Iron Meteorite Sulfides"

P 51 Dr. Conor Prankevicus
"Design of Nucleophilic and Electrophilic N-Heterocyclic Carbene-Stabilized Aminoborylenes"

P 52 Prof. Dr. Theocharis Stamatatos
"New Single-molecule Magnets With Different Coordination Environments and Magnetic Dynamics Based on the {Dy₂(OR)₂} Core"

Fachgruppe 8 **Lebenswissenschaften I**
Section 8 **Life Sciences I**

Anwesenheitszeit Autoren 15:45 – 16:05 Uhr
Attendance time authors 3:45 – 4:05 p.m.

P 53 Prof. Dr. Fabrizio Caputo
"Combined Effects of Cycling Cadence and Intensity on Muscular Activation and Energy Metabolism"

P 54 Dr. Thomas Elston
"Neuronal Basis of Rule-switching in Non-human Primates"

P 55 Dr. Felix Hager
"How Bodyguards Find the Attacker: Ants Respond to Plant-borne Vibrations Caused by Mammalian Browsers"

- P 56 Dr. Surasak Jittavisutthikul
"Genetically Designed Antibodies Could Help Treatment of Methicillin-Resistance Staphylococcus Aureus (MRSA)"
- P 57 Dr. Hanna Sophie Knobloch-Bollmann
"Effects of Early Life Stress on Brain Development"
- P 58 Prof. Dr. Chao Liang
"Soil Organic Matter as Microbial Necromass"
- P 59 Dr. Agata Mrugala
"How Parasites Affect Predator Functional Responses: The Case of Crayfish Plague (Aphanomyces Astaci) and Native vs Non-native Crayfish"
- P 60 Dr. Pengfei Xia
"Phenotyping and Metabolic Engineering of Clostridium Ljungdahlii via CRISPRi/a"
- P 61 Dr. Mauricio Moraes Zenker
"Assessing Biodiversity of Insects with Automatic Light Traps in Brazil: Pearls and Pitfalls of Metabarcoding Preservative Ethanol Samples"

Fachgruppe 9
Section 9

Lebenswissenschaften II
Life Sciences II

Anwesenheitszeit Autoren 16:05 – 16:25 Uhr
Attendance time authors 4:05 – 4:25 p.m.

- P 62 Dr. Jose Antonio Campoy Corbalan
"Candidate Mutation Discovery in Early-flowering Apricot Mutants"
- P 63 Dr. Paul Reinhold Eizenhöfer
"Understanding the Relationship Between the Surface Topography and Subsurface Geometry of the Main Himalayan Thrust in Central Nepal through Numerical Landscape Evolution Models"
- P 64 Dr. Richard Paul Jacoby
"Metabolic Interactions Between Plants and Microbes"
- P 65 Dr. Rong Jin
"Particle-size Distribution, Source Apportionment and Health Risk Assessment of Emerging Semi-Volatile Polycyclic Organic Compounds in the Atmosphere"
- P 66 Dr. Alan Kadek
"Virus in a Spectrometer - Human Papillomavirus Infection Studied by Structural Mass Spectrometry"
- P 67 Dr. Anna Komor
"The Chemical Ecology of 6-thioguanine, a Virulence Factor in Fire Blight Disease"

- P 68 Dr. Allen Liu
"Research at the Laboratory of Cellular and Molecular Systems"
- P 69 Dr. Carmen Martinez Dominguez
"Origami-based Microfluidic Interface for Cell Signaling"
- P 70 Dr. Galal Metwally
"Safeguards and Consequences of Aneuploidy in Eukaryotic Cells"
- P 71 Dr. Shaheen Nourinejad Zarghani
"Mapping of Viral Genomic Regions Responsible for Biological Changes in Arabis Mosaic Virus and its Herbaceous Hosts"
- P 72 Dr. Jens Rüdiger Stellhorn
"Exploring the Atomic-scale Structure of Complex Materials with Synchrotron Radiation"
- P 73 Dr. Jun Zhang
"Targeted Adversarial Learning Optimized Sampling"