

Archive MPI Seminar Series (2000-2015)

2015

14.12.2015

Dr. Thomas Böttcher (University Konstanz)
Small molecules as modulators of bacterial behavior

07.12.2015 SFB Mini Symposium

Prof. Dr. Beate Averhoff (Johann-Wolfgang-Goethe-Universität, Frankfurt)
DNA transfer goes extreme: Unique features of the DNA transporter in *Thermus thermophilus*

Prof. Dr. Axel A. Brakhage (Friedrich-Schiller-Universität Jena und Abteilung Molekulare und Angewandte Mikrobiologie, Leibniz-Institut für Naturstoff-Forschung und Infektionsbiologie (HKI))
Genome mining and activation of fungal silent gene clusters by microbial communication: A new avenue to drug discovery

30.11.2015

Dr. Jonas Ries (European Molecular Biology Laboratory, Heidelberg)
Superresolution microscopy of protein structures in situ

23.11.2015 Dr. Johannes Kabisch (Ernst-Moritz-Arndt University, Greifswald)
Novel Microbial Platforms and Syn-Bio Tools for the Production of Drop-in Biofuels

16.11.2015

Dr. Martijn Rep (University of Amsterdam)
Regulation of effector gene expression in *Fusarium oxysporum*

09.11.2015 SFB Mini Symposium

Prof. Dr. Franz Narberhaus (Ruhr-Universität Bochum)
Unconventional phospholipid biosynthesis pathways and global RNA structuromics in bacteria

Prof. Dr. Ruth Schmitz-Streit (Christian-Albrechts-Universität zu Kiel)
Small non-coding RNAs newly identified players in nitrogen regulation in *Methanosarcina mazei* Gö1

28.09.2015 SFB Mini Symposium

PD Dr. Ralf Heermann (Ludwig-Maximilians-Universität München)
"Small Talk" - Quorum sensing in entomopathogenic bacteria

Dr. Matthias Fischer (Max Planck Institute for Medical Research, Heidelberg)
Viruses of viruses: the mutualistic relationship between virophages and their protist hosts

14.09.2015 Graduate Students Mini-Symposium V/2015

31.08.2015

Prof. Antony Carr (University of Sussex, UK)

Polymerase δ replicates both DNA strands after fork restart at fragile sites

24.08.2015

Prof. Dr. Martin Ackermann (ETH Zürich)

Bacterial memory and other survival strategies

03.08.2015

Prof. Dr. Ulrich Stingl (King Abdullah University of Science & Technology (KAUST))

Microbial Ecology of the Red Sea

13.07.2015 SFB Mini Symposium

Dr. Christian Jogler (Leibniz-Institut DSMZ, Braunschweig)

A cell biological perspective of the planctomycetal interaction with phototrophs

Prof. Dr. Karl Forchhammer (Eberhard Karls Universität Tübingen)

Evolution of PII signaling in oxygenic phototrophs

06.07.2015

Dr. Charissa de Bekker (Ludwig-Maximilians-Universität München)

Unraveling the mechanisms underlying behavioral manipulation caused by a fungal parasite

29.06.2015

Kerwyn Casey Huang, PhD. (Stanford University)

Biophysical principles of bacterial cell growth

15.06.2015 SFB Mini Symposium

Prof. Dr. Friedrich Götz (Eberhard Karls Universität Tübingen)

Molecular basis of staphylococcal biofilm formation - and prevention strategies

Prof. Dr. Matthias Boll (Albert-Ludwigs-Universität Freiburg)

Dearomatizing reductases: electron transfer at the negative redox potential limit in biology

08.06.2015

Dr. Andrew B. Goryachev (University of Edinburgh, UK)

Competition principle in cellular morphogenesis

01.06.2015

Dr. Daniel Wilson (Ludwig-Maximilians-Universität München)

Man against Microbe: Ribosome-targeting antibiotics and resistance mechanisms

18.05.2015

Prof. Dr. Uta Paszkowski (University of Cambridge)

Communication in arbuscular mycorrhizal symbiosis of cereals

11.05.2015

Dr. Anna Kopf (Max Planck Institute for Marine Microbiology, Bremen)
The Ocean Sampling Day

04.05.2015
Graduate Students Mini-Symposium IV/2015

27.04.2015
Dr. Hideaki Ogata (MPI für Chemische Energiekonversion, Mühlheim an der Ruhr)
Structure and function of the O₂-sensitive [NiFe] hydrogenase

20.04.2015
Graduate Students Mini-Symposium III/2015

13.04.2015
Prof. Dr. Joshua Shrodt (University of Notre Dame, Indiana, USA)
Population-dependent roles of type IV pili exhibited during *Pseudomonas aeruginosa*
surface motility

23.03.2015
Graduate Students Mini-Symposium II/2015

16.03.2015
Dr. Verena Heuer (Universität Bremen)
Stable carbon isotope chemistry for the investigation of carbon flow in the deep
subseafloor biosphere

09.03.2015
Graduate Students Mini-Symposium I/2015

05.03.2015
Prof. Dr. Howard Ochman (University of Texas, Austin)
What the ape microbiome tells us about the human microbiome

23.02.2015
Prof. Dr. Kirsten Küsel (Friedrich Schiller University)
AquaDiva: First tries to link the surface to the subsurface biogeosphere

16.02.2015
Prof. Dr. John A. Gerlt (University of Illinois, Urbana-Champaign, USA)
Discovering novel enzymes and metabolic pathways

09.02.2015
Prof. Dr. Jörg Stülke (Georg-August-Universität Göttingen)
Of Mutants and Messengers: News From the Molecular Biology of *Bacillus subtilis*

26.01.2015
Prof. Dr. Gunhild Layer (Universität Leipzig)
Old pathways still full of surprises: The biosynthesis of heme d₁ in denitrifying
bacteria and heme in archaea

19.01.2015
Dr. Daniel Lopez (Julius-Maximilians-Universität Würzburg)

Spatio-temporal remodeling of bacterial lipid rafts

12.01.2015

Prof. Dr. Stefan Raunser (Max-Planck-Institute of Molecular Physiology)
How to kill a mocking bug - Structural insights into Tc toxin complex action

2014

08.12.2014

Professor Bernard Golding (Newcastle University, Newcastle upon Tyne, UK)
Prebiotic radical chemistry connecting a ribonucleotide to a deoxyribonucleotide

03.11.2014

Dr. Matthias Fischer (Max-Planck-Institut für Medizinische Forschung, Heidelberg)
Virus-host interactions in the heterotrophic nanoflagellate *Cafeteria roenbergensis*

27.10.2014

Dr. Michael Pester (University of Konstanz)
How rare biosphere members contribute to biogeochemical cycling: The ecology of low abundance sulfate reducers in the hidden sulfur cycle of a model peatland

20.10.2014

PD Dr. Ivan Berg (Albert-Ludwigs-Universität Freiburg)
Bacterial itaconate degradation promotes pathogenicity

13.10.2014

Dr. Eric Kemen (Max Planck Institute for Plant Breeding Research, Cologne)
How obligate pathogens remodel host microbial communities

06.10.2014

Graduate Students Mini-Symposium VI/2014

29.09.2014

Prof. Dr. Christoph Müller (Justus-Liebig-Universität Gießen)
FACEing Climate Change

15.09.2014

Prof. Dr. Yasufumi Umena (Osaka City University)
X-ray crystallographic studies of oxygen-evolving photosystem II from *Thermosynechococcus vulcanus*

08.09.2014

Prof. Dr. David T. E. Bastviken (Linköping University)
Large scale implications of greenhouse gas emissions from inland waters now and in the future

01.09.2014

Graduate Students Mini-Symposium V/2014

07.07.2014

Prof. Dr. Eric Gaidos (University of Hawaii at Manoa)

The Geomicrobiology of Ginnungagap: A Chemolithoautotrophic Microbial Ecosystem in an Icelandic Subglacial Lake

30.06.2014

Dr. habil. Matthias Brock (Friedrich Schiller-University Jena and Leibniz Institute for Natural Product Research and Infection Biology - Hans-Knöll-Institute)

In vivo detection of *Candida albicans* in cryptic host niches

16.06.2014

Prof. Dr. Steffen Abel (Leibniz-Institut für Pflanzenbiochemie, Halle (Saale))

Phosphate Sensing in Root Development - The Yin and Yang of P and Iron

16.06.2014

Prof. Dr. Ute Krämer (Ruhr-Universität Bochum)

Transition metal homeostasis in plants and its implications for biotic interactions

19.05.2014

Dr. Goran Malojcic (Harvard University)

Lipopolysaccharide assembly into the Gram-negative outer membrane

12.05.2014

Dr. Dina Grohmann (TU Braunschweig)

Shedding light on archaeal Argonaute function and dynamics

05.05.2014

Dr. Adam Lange (Max Planck Institute for Biophysical Chemistry)

Type III secretion needles studied by solid-state NMR

28.04.2014

Prof. Dr. David Sillam-Dussès (Université Paris 13)

Trail pheromones and sex pheromones in termites: from their glandular origin to their chemical nature

14.04.2014

Juniorprof. Dr. Julia Frunzke (Forschungszentrum Jülich)

Transcriptional regulators as sensor devices for intracellular metabolite detection

31.03.2014

Graduate Students Mini-Symposium IV/2014

25.03.2014

Prof. Dr. Zaida Luthey-Schulten (University of Illinois at Urbana-Champaign)

Towards a Computational Model of a Methane Producing Archaeum

24.03.2014

Graduate Students Mini-Symposium III/2014

17.03.2014

Graduate Students Mini-Symposium II/2014

03.03.2014

Graduate Students Mini-Symposium I/2014

24.02.2014

Dr. Dirk Weuster-Bötz (TU München)

Tools for metabolic process analysis of microorganisms in stirred-tank bioreactors

17.02.2014

Dr. Angelika Gründling (Imperial College London)

A study on *Staphylococcus aureus* that starts at the cell wall and ends in nucleotide signaling

10.02.2014

Dr. Robert Ryan (University of Dundee, Scotland, UK)

Cyclic di-GMP signalling and the regulation of bacterial virulence

03.02.2014

Prof. Dr. Ed Louis (University of Leicester, Centre for Genetic Architecture of Complex Traits)

Exploring and exploiting natural genetic and phenotypic variation in *Saccharomyces* yeasts

27.01.2014

Dr. Paul L. E. Bodelier (Netherlands Institute of Ecology)

Ecology of aerobic methanotrophs: a model for biodiversity-ecosystem functioning research?

20.01.2014

Prof. Dr. Peter Schönheit (Christian-Albrechts-Universität zu Kiel)

Novel insights into sugar metabolism of extremophilic archaea

13.01.2014

Dr. Rémi Fronzes (Institut Pasteur, Paris, France)

Structural biology of bacterial type IV secretion systems

2013

09.12.2013

Prof. Dr. Holger B. Deising (Martin-Luther-Universität Halle-Wittenberg)

Modification of cell wall composition of infection structures of the maize pathogen *Colletotrichum graminicola* is required for the establishment of compatibility

02.12.2013

Prof. Dr. Ariane Toussaint (Université Libre de Bruxelles)

The ACLAME database and a reticulate classification of (pro)phages

25.11.2013

Dr. Christian Kost (Max Planck Institute for Chemical Ecology, Jena)

Gene loss, division of labour, and the formation of inter-cellular networks

18.11.2013

Prof. Melanie Blokesch (École Polytechnique Fédérale de Lausanne)

The DNA uptake machinery of naturally competent *Vibrio cholerae*

11.11.2013

Prof. Dr. Andrew B. Goryachev (The University of Edinburgh)

Experimental and computational approaches to understand how the budding yeast got its septin ring

17.10.2013

Prof. Dr. Jeff Errington (Newcastle University)

Fun with L-forms: life without walls

07.10.2013

Dr. Tristan Wagner (MPI)

Energy or nitrogen storage: Which molecular mechanisms control the metabolic versatility of mycobacteria?

30.09.2013

PD Dr. Thorsten Brinkhoff (Universität Oldenburg)

Secondary Metabolite Production of *Roseobacter* spp. - Genetics, Regulation and Ecological Significance

23.09.2013

Dr. Seigo Shima (MPI)

Structure and function of enzymes involved in methanogenesis and anaerobic oxidation of methane

02.09.2013

Prof. Dr. Patrick Dennis (Howard Hughes Medical Institute, Ashburn, USA)

Exploring the universe of small RNAs in hyperthermophilic Archaea

26.08.2013

Dr. Martin Blaser (MPI)

Seen the unseen - using the natural distribution of stable carbon isotopes to map microbial processes in the environment

29.07.2013

Dr. Marco Trujillo (Leibniz Institute of Plant Biochemistry)

Immune signaling and vesicle trafficking - Intertwining networks regulated by U-box type E3 ubiquitin ligases

15.07.2013

Prof. Dr. Ralph Bock (Max-Planck-Institut für Molekulare Pflanzenphysiologie, Potsdam-Golm)

Genes gone wild: intra- and intercellular travel of DNA

24.06.2013

Dr. Jun Murase (Nagoya University)

Diversity and ecology of microeukaryotes in a rice field soil

17.06.2013

Prof. Dr. Peter Friedhoff (Justus Liebig Universität Giessen)

Understanding DNA mismatch repair: From models to applications

10.06.2013

Dr. Roland Wedlich-Söldner (Max-Planck-Institut für Biochemie, Martinsried)
Mixing and matching - new insights into membrane organization

27.05.2013

Prof. Dr. Nora Ausmees (Lund University)
Bugs with bones – coiled coil cytoskeleton in Streptomyces cell architecture

15.04.2013

Prof. Dr. Han Remaut (Vrije Universiteit Brussel)
Homing profiles in pathogenic E. coli: structure and function of the chaperone-usher piliome

25.03.2013 Dr. Duncan Greig (Max-Planck-Institut für Evolutionsbiologie)
Mate choice in yeast

18.03.2013

Dr. Katharina F. Ettwig (Radboud University Nijmegen)
Aerobic methane oxidation without external oxygen - an environmental and physiological view on Methylophilum oxyfera

18.02.2013

Dr. Sander Smits (Heinrich-Heine-Universität, Düsseldorf)
Antimicrobial peptides: The modification and immunity machineries

11.02.2013

Prof. Dr. Thorsten Mascher (Ludwig-Maximilians-Universität)
Antibiotic stress responses in Bacillus subtilis: from (transcript)omics to systems biology

04.02.2013

Prof. Dr. Bodo Philipp (Universität Münster)
Metabolic and cellular interactions of bacteria during degradation of organic substrates

28.01.2013

Prof. Dr. An-Ping Zeng (Technische Universität Hamburg-Harburg (TUHH))
Structure-based synthetic biology for designing industrial microorganisms

21.01.2013

Dr. Tillmann Lüders (Helmholtz Zentrum München)
Tapping into the diversity and ecology of anaerobic BTEX degraders in contaminated aquifers

14.01.2013

Prof. Dr. Oliver Einsle (Albert-Ludwigs-Universität Freiburg)
Molecular Enzymology of Dinitrogen Metabolism

2012

10.12.2012

Dr. Jeroen Dickschat (TU Braunschweig)
Terpenes from Microorganisms

03.12.2012

Dr. Bernd Rehm (Massey University, New Zealand)
Bacterial alginate polymerisation/secretion requires a unique multiprotein complex

26.11.2012

Dr. Stephan Wawra (University of Aberdeen)
Translocation of oomycete effector proteins

19.11.2012

Dr. Janet Wood (University of Guelph)
Bacterial Osmosensory Transporter ProP: Structure and Regulatory Mechanisms

12.11.2012

Dr. Martin Könneke (Universität Bremen)
Assimilation of organic and inorganic carbon in marine ammonia-oxidizing archaea (AOA) - recent advances from *Nitrosopumilus maritimus*

05.11.2012

Prof. Dr. Uwe Sauer (ETH Zürich)
Multidimensional optimality of microbial metabolism and the regulation networks that control it

29.10.2012

Dr. Sven van Teeffelen (Princeton University)
The dynamical cytoskeleton regulates morphogenesis in rod-like bacteria

22.10.2012

Dr. Jürgen Eck (BRAIN AG)
From Biodiversity to "Designer Bugs": Bio-inspired engineering of producer microorganisms

15.10.2012

Prof. Dr. Frédéric Boccard (CNRS)
Long range organization of the *E. coli* chromosome: structuring the Ter macrodomain by MatP and its implications

01.10.2012

Prof. Dr. Thomas Happe (Ruhr-Universität Bochum)
Activation and inactivation of [FeFe]-hydrogenase of green algae

13.08.2012

Prof. Dr. Thorsten Nuernberger (Universität Tübingen)
Patterns and receptors in plant innate immunity

06.08.2012

Prof. Nobuyoshi Esaki (Kyoto University)
Role of eicosapentaenoic acid in cold adaptation of an Antarctic psychrotrophic bacterium, *Shewanella livingstonensis* Ac10

09.07.2012

Prof. Dr. Andreas Kappler (Eberhard-Karls-Universität, Tübingen)

Microbial Fe(II) oxidation and Fe(III) reduction: Mechanisms, biomineralization and environmental implications

25.06.2012

Prof. Dr. Russ Hille (University of California, Riverside)

Molybdenum-dependent CO dehydrogenase functions also as hydrogenase

11.06.2012

Dr. Sophie Martin (University of Lausanne)

Yeast polarization strategies for division and mate selection

04.06.2012

Prof. Dr. Karl-Heinz van Pée (TU Dresden)

Enzymatic halogenation: the taming of the bleach

14.05.2012

Prof. Dr. Jan Löwe (MRC Laboratory of Molecular Biology, Cambridge, UK)

Filaments of the bacterial cytoskeleton

30.04.2012

Prof. Dr. Rupert Mutzel (Freie Universität Berlin)

Chemical evolution of a bacterium's genome

16.04.2012

Prof. Dr. Stephen Bell (University of Oxford)

A complexity of origins and the origins of complexity

02.04.2012

Graduate Students Mini-Symposium III/2012

26.03.2012

Graduate Students Mini-Symposium II/2012

12.03.2012

Prof. Dr. Jean-Marc Ghigo (Institut Pasteur, Paris)

Airborne interactions mediated by volatile molecules produced by bacterial communities

27.02.2012

Prof. Dr. Wolfgang Stephan (LMU München)

Population genomics of adaptation in sexual species

20.02.2012

Prof. Dr. Dr. Klaus Aktories (Albert-Ludwigs-Universität Freiburg)

Bacterial protein toxins targeting the cytoskeleton of host cells

13.02.2012

Prof. Dr. Martin van der Laan (University of Freiburg)

Biogenesis of the inner mitochondrial membrane

06.02.2012

Dr. Tim Urich (University of Vienna)
Metatranscriptomics to study the structure and function of environmental microbial communities

30.01.2012
Graduate Students Mini-Symposium I/2012

23.01.2012
Dr. Richard J. O'Connell (Max Planck Institute for Plant Breeding Research)
Life-style transitions in hemibiotrophic Colletotrichum fungi are illuminated by genome and transcriptome analysis

16.01.2012
Prof. Dr. Dierk Scheel (Leibniz-Institut für Pflanzenbiochemie, Halle)
Signaling in plant immunity

09.01.2012
Prof. Dr. Raffael Schaffrath (Universität Kassel)
Anticodon cleavage and tRNA depletion, a sly growth inhibition strategy by microbial ribotoxins

2011

19.12.2011
Prof. Dr. Manfred T. Reetz (Philipps-Universität Marburg)
Directed evolution of stereoselective enzymes: a prolific source of catalysts for asymmetric reactions (19.12.2011)

12.12.2011
Prof. Dr. Markus Aebi (ETH Zürich)
Principles of N-glycosylation

05.12.2011
Dr. Berta Martins (Humboldt Universität zu Berlin)
4-Hydroxyphenylacetate decarboxylase and activating-enzyme from Clostridium difficile: new catalytic strategies with an old enzyme family scaffold

28.11.2011
Prof. Dr. Sharmishtha Dattagupta (Universität Göttingen)
The curious case of cave amphipod symbioses

21.11.2011
Prof. Dr. Ron Oremland (U.S. Geological Survey, Menlo Park, Calif.)
Arsenic and the meaning of life

14.11.2011
Prof. Dr. Dieter Jahn (TU Braunschweig)
Systems biology of Pseudomonas aeruginosa infections

07.11.2011

Prof. Dr. Katharina Riedel (TU Braunschweig & Helmholtz Centre of Infection Research)
Metaproteomics: Linking microbial diversity to ecosystem functioning

31.10.2011

Prof. Dr. Barbara Reinhold-Hurek (Universität Bremen)
Living inside plants: bacterial endophytes

24.10.2011

Prof. Dr. Stephan Gruber (Max Planck Institute of Biochemistry, Martinsried)
Untangling bacterial chromosomes: the role of the condensin complex

19.09.2011

Dr. Daniel Lopez (Universität Würzburg)
Cell differentiation signals in biofilms

01.08.2011

Prof. Dr. Moriya Ohkuma (RIKEN)
Termite-gut microbial community: roles of flagellated protists and their associated bacteria in efficient cellulose utilization

25.07.2011

Prof. Dr. David Weiss (University of Iowa)
Peptidoglycan-binding proteins involved in bacterial cell division

18.07.2011

Prof. Dr. Paul Schulze-Lefert (MPI für Pflanzenzüchtungsforschung, Köln)
From plant–pathogen interactions to plant–microbe communities

11.07.2011

Prof. Dr. Karl Forchhammer (Universität Tübingen)
The complex life-style of multicellular cyanobacteria: benefits and requirements

04.07.2011

PD Dr. Boris Görke (Universität Göttingen)
The regulatory roles of paralogous phosphotransferase systems in bacteria

27.06.2011

Dr. Pietro Spanu (Imperial College, London)
The Blumeria blueprint: lessons from the genome of an obligate biotrophic plant pathogen

20.06.2011

Dr. Michael Galperin (National Center for Biotechnology Information (NCBI), Bethesda)
Comparative genomics of bacterial signal transduction

16.06.2011

Prof. Dr. Ajit Varma (Amity University, Uttar Pradesh, India)
Piriformospora indica: New directions and tool for symbiosis

14.06.2011

Prof. Dr. Sunney Chan (California Institute of Technology)

Learning from microbes to develop a catalyst for facile methane oxidation

06.06.2011

Prof. Dr. Thomas Silhavy (Princeton University, USA)

Outer membrane biogenesis in Gram-negative bacteria

30.05.2011

Prof. Dr. Karlheinz Altendorf (Universität Osnabrück)

Is the histidine kinase KdpD of *Escherichia coli* a potassium sensor?

23.05.2011

Prof. Dr. Sophien Kamoun (John Innes Centre, Norwich)

The secrets of a plant killer: Evolutionary and functional dynamics of *Phytophthora infestans* effectors

16.05.2011

Prof. Dr. Annegret Wilde (Justus-Liebig-Universität Giessen)

Molecular mechanisms of regulatory processes in cyanobacteria

8.04.2011

Dr. Steven Porter (University of Exeter)

The control of virulence in *Pseudomonas aeruginosa*

21.03.2011

Prof. Dr. Anita Marchfelder (Universität Ulm)

RNomics and RNA metabolism in the halophilic archaeon *Haloferax volcanii*

14.03.2011

Prof. Dr. Kenneth Stedman (Portland State University)

Viruses from hell

07.03.2011

Prof. Dr. Birgitte Regenberg (University of Copenhagen)

Molecular basis for development and phenotypic heterogeneity in *Saccharomyces cerevisiae* biofilm formation

28.02.2011

Prof. Dr. Tina Treude (Leibniz-Institut für Meereswissenschaften, Kiel)

Marine cold seeps: Chemosynthetic communities driven by microbial methane degradation

21.02.2011

Prof. Dr. Natalia Requena (Karlsruhe Institute of Technology)

Clues for living together in harmony: the arbuscular mycorrhizal symbiosis

14.02.2011

Prof. Dr. Urs Jenal (Universität Basel)

Coordination of bacterial cell morphogenesis and cell proliferation

07.02.2011

Prof. Dr. Peter Schönheit (Christian-Albrechts-Universität Kiel)
Glycolysis in hyperthermophiles

31.01.2011

Dr. Thierry Rouxel (INRA, Thiverval-Grignon)
A chicken or egg dilemma: are Transposable Elements drivers of effector birth and diversification in *Leptosphaeria* species?

24.01.2011

Prof. Dr. Susan Trumbore (Max Planck Institute for Biogeochemistry, Jena)
Tracing metabolism with the sensitivity of AMS: examples from soils and oceans

17.01.2011

Prof. Dr. Harold Drake (Universität Bayreuth)
Inside Darwin's earthworms: an oasis for soil anaerobes

2010

20.12.2010 – Prof. Dr. Karlheinz Altendorf (Universität Osnabrück)
"Is the histidine kinase KdpD of *Escherichia coli* a potassium sensor?"

13.12.2010

Dr. Leendert Hamoen (Newcastle University)
"Protein localization guided by membrane charge and surface topology"

06.12.2010

Prof. Dr. Ajit Varma (Amity University, Uttar Pradesh, India)
"Microorganisms and nanomaterials"

29.11.2010

Malte Dreyer (Max Planck Digital Library, Munich)
"eSciDoc.PubMan: The new publication management infrastructure for MPS"

29.11.2010

Anja Langenfelder (Max Planck Digital Library, Munich)
"Open access publishing: a primer for scientists"

22.11.2010

Dr. Thomas Bataillon (Aarhus University)
"Faithful but not shrinking: comparing patterns of evolution in the core genome of symbiotic bacteria and their free living relatives"

15.11.2010

Prof. Dr. Duur Aanen (Wageningen University)
"Artificial selection of *Termitomyces* fungi by termites!"

10.11.2010

Prof. Dr. Jeff Hasty (Departments of Molecular Biology and Bioengineering, BioCircuits Institute, University of California, San Diego)
"Genetic clocks from engineered oscillators"

08.11.2010

Dr. Axel Mogk (Zentrum für Molekular Biologie Heidelberg (ZMBH))

"Tubules and donuts: a type VI secretion story"

01.11.2010

Prof. Dr. Rolf Wagner (Heinrich-Heine Universität)

"Regulation of the E. coli K12 CRISPR/Cas defence system by the antagonistic transcription factors H-NS and LeuO"

25.10.2010

Dr. Heike Feldhaar (Universität Osnabrück)

"Evolutionary ecology of an ant - bacteria symbiosis"

18.10.2010

Prof. Dr. Thomas E. Hanson (University of Delaware)

"Sulfur oxidation in the chlorobi: from metabolites to networks"

11.10.2010

Prof. Dr. Holger Dobbek (Humboldt-Universität zu Berlin)

"Life with carbon monoxide - insights from structural biology"

04.10.2010

PD Dr. Steffen Rupp (Fraunhofer IGB)

"Host-Pathogen interaction models to analyze C.albicans virulence mechanisms"

20.09.2010

Prof. Dr. Paola Bonfante (Università di Torino)

"Plants, mycorrhizal fungi, and bacteria: a network of interactions"

16.08.2010

Prof. Dr. Gaku Tokuda (University of the Ryukyus)

"Lignocellulolytic systems in termites: how do endogenous and microbial enzymes participate in lignocellulose break"

09.08.2010

Prof. Nobuyoshi Esaki (Division of Environmental Chemistry, Kyoto University)

"Unique enzymes participating in the metabolism of 2-chloroacrylate"

02.08.2010

Prof. Dr. Thomas Brüser (Universität Hannover)

"Tat transport: Unraveling an ancient and most likely simple protein transport pathway"

26.07.2010

Dr. Martin Kaltenpoth (Max Planck Institute for Chemical Ecology)

"Teaming up in defense: Evolution and chemical ecology of a protective insect-bacteria symbiosis"

19.07.2010

Prof. Dr. Urs Jenal (Universität Basel)

"Second messenger mediated control of bacterial development and cell cycle"

12.07.2010

Prof. Dr. Ben Davis (University of Oxford)

"Sugars and Proteins"

05.07.2010

Prof. Dr. Mick F. Tuite (University of Kent, Canterbury)

"The generation and propagation of [PSI⁺], a yeast prion"

28.06.2010

Prof. Dr. Christoph Müller (Justus-Liebig-Universität Gießen)

"Quantification of N transformations in terrestrial ecosystems"

21.06.2010

Prof. Dr. Susanne Häußler (AG Chronische Pseudomonas-Infektionen, Helmholtz-Zentrum für Infektionsforschung)

"Mechanisms of persistence in *Pseudomonas aeruginosa*"

14.06.2010

Prof. Dr. Georg Fuchs (Universität Freiburg)

"Biological assimilation of carbon dioxide"

31.05.2010

Prof. Dr. Emanuele Biondi (Università di Firenze)

"Cell cycle regulation in alpha-proteobacteria"

03.05.2010

PD Dr. Jens Boch (Universität Halle-Wittenberg)

"Breaking the code: Molecular activity of TAL effectors from plant pathogenic *Xanthomonas*"

26.04.2010

Prof. Dr. Martijn Rep (University of Amsterdam)

"Pathogenicity chromosomes in *Fusarium oxysporum*"

19.04.2010

Prof. Dr. Reinhard Fischer (Universität Karlsruhe)

"Fungi, hidden in soil or up in the air? Light tells the difference"

22.03.2010

Prof. Dr. Gilles van Wezel (University of Leiden)

"Solving a dividing problem: a novel divisome component recruits FtsZ during sporulation-specific cell division of *Streptomyces*"

15.03.2010

Prof. Dr. Bert Poolman (University of Groningen)

"Confocal microscopy to probe membrane transport"

22.02.2010

Prof. Dr. Michael Ehrmann (Universität Duisburg-Essen)

"Function and mechanism of regulated proteolysis - the conserved DegP/HtrA protease"

15.02.2010

Prof. Dr. Barbara Hohn (Friedrich Miescher Institute for Biomedical Research)
"Environmental influences on plant genome dynamics"

08.02.2010

Prof. Dr. Dirk Schüler (LMU München)
"Cell biology and genetics of magnetosome formation in magnetotactic bacteria"

01.02.2010

Prof. Dr. Beatrix Süß (Universität Frankfurt)
"Engineered riboswitches - an alternative means to control gene expression"

25.01.2010

Prof. Dr. Neil A.R. Gow (University of Aberdeen)
"The Candida cell wall: biosynthesis, immune recognition and adaptation to stress"

18.01.2010

Dr. Christoph Erkel (Sloning BioTechnology GmbH)
"Slonomics® – a triplet-based technology for synthesizing highly designed gene mutant libraries"

11.01.2010

Dr. Claudia Knief (ETH Zürich)
"Strategies of phyllosphere bacteria for successful plant colonization"

2009

15.12.2009

Dr. Hanno Richter (Department of Biological and Environmental Engineering, Cornell University, Ithaca, NY)
"Bio-Energy Research in the USA: Butanol from Cellulose and Microbial Fuel Cell"

14.12.2009

Dr. Oliver Lenz (Humboldt-Universität Berlin)
"The microbial way of exploiting molecular hydrogen as an alternative fuel"

07.12.2009

PD Dr. Jörg Simon (TU Darmstadt)
"The microbial nitrogen cycle and the colourful world of cytochromes"

30.11.2009

Prof. Dr. Liz Sockett (University of Nottingham)
"Predatory Bdellovibrio – cousins of the Myxobacteria"

23.11.2009

Dr. Jochen Kumlehn (IPK Gatersleben)

"Genetic engineering in cereals and its use to improve the resistance to fungal pathogens"

16.11.2009

Prof. Dr. Yakov Kuzyakov (Universität Bayreuth)

"Carbon budget and turnover in the rhizosphere"

09.11.2009

Prof. Dr. Dirk Jan Slotboom (University of Groningen)

"The structural basis for peptide selection by the transport receptor OppA"

02.11.2009

PD Dr. Ursula Fleig (Universität Düsseldorf)

"Lifestyle switch: invasive growth in fission yeast"

26.10.2009

Dr. Paul Eggleton (Natural History Museum, London)

"Social cockroaches, rain forests and sophisticated guts: how termites conquered the tropics"

19.10.2009

Dr. Osnat Gillor (Ben-Gurion University of the Negev)

"Family ties: bacterial toxins induce their relative's production"

12.10.2009 15:00 Mini-Symposium

Prof. Dr. Evert Duin (Auburn University/USA)

"Isoprene Synthesis: New catalytic functions for [4Fe-4S] clusters"

Prof. Dr. Ken Hammel (University of Wisconsin/USA)

"Oxidative and hydrolytic mechanisms for attack on lignocellulose by fungi"

Prof. Dr. Jakob Kristjansson (University of Iceland)

"Industrial use of geothermal bacteria"

Prof. Dr. Kesen Ma (University of Waterloo/Canada)

"Alcohol metabolism of hyperthermophilic microorganisms"

Prof. Dr. David Weiss (University of Iowa/USA)

"Bacterial SPOR domains bind septal peptidoglycan: Implications for cell division"

05.10.2009

Prof. Dr. Gabriele Diekert (Universität Jena)

"Corrinoid-dependent methyltransferases involved in the anoxic ether-cleavage"

28.09.2009

Dr. Frank Keppler (MPI für Chemie, Mainz)

"Accumulating evidence for methane emissions from plants"

21.09.2009

Dr. Harald Keller (INRA, Antibes)

"Plant processes that modulate the development of oomycete pathogens in Arabidopsis"

14.09.2009

Dr. Francois-Xavier Barre (CNRS, Gif-sur-Yvette)

"Common machineries for the vertical and horizontal transfer of genetic information in bacteria"

24.08.2009

Dr. David Emerson (Bigelow Laboratory for Ocean Sciences, Bar Harbor)

"Rust never sleeps: oxygen-dependent iron oxidation at circumneutral pH"

21.08.2009 14:15

Prof. Dr. Bernd H. A. Rehm (Massey University)

"Bacterial polymer biosynthesis: From intracellular storage polyesters to biofilm-relevant exopolysaccharides"

27.07.2009

Dr. Renier van der Hoorn (MPI für Züchtungsforschung, Köln)

"Mining the active proteome: Development and application of activity-based protein profiling to study plant-pathogen interactions"

Prof. Dr. Lutz Schmitt (Universität Düsseldorf)

"A molecular ABC of drug resistance in yeast"

20.07.2009

Prof. Dr. E. Peter Greenberg (University of Washington)

"Sociomicrobiology: A new twist on quorum sensing signals that coordinate gene expression in bacterial populations"

13.07.2009

Dr. Steffen Kolb (Universität Bayreuth)

"Environmental controls of atmospheric methane oxidizers in forests soils"

06.07.2009

Prof. Dr. Gerhard Braus (Universität Göttingen)

"Light dependent coordination of fruit body formation and secondary metabolism in *Aspergillus nidulans*"

22.06.2009

Prof. Dr. Uwe Conrath (RWTH Aachen)

"Priming plants for stress resistance: from the lab and the field"

15.06.2009

Prof. Dr. Annette Becker (Universität Bremen)

"Gene function analysis in non-model plants"

08.06.2009

Prof. Dr. Wolfgang Liebl (TU München)

"Strategies for the improvement of biotechnologically relevant bacteria and enzymes"

18.05.2009

Prof. Dr. Tracy Palmer (University of Dundee)

"Transport of folded proteins by the bacterial Tat pathway"

11.05.2009

Dr. Alice McHardy (MPI für Informatik)

"Computational methods for the analysis of metagenome sequence samples"

04.05.2009

Prof. Dr. Marc Solioz (Universität Bern)

"Copper in bacteria, humans, and the hospital"

27.04.2009

Prof. Dr. Beate Averhoff (Universität Frankfurt)

"Natural genetic transformation: the ins and outs of unique DNA transport systems"

06.04.2009

Prof. Dr. Reinhard Krämer (Universität Köln)

"The glycine betaine transporter from *Corynebacterium glutamicum*: carrier, sensor and regulator"

30.03.2009

Prof. Dr. Marcel Bucher (Universität Köln)

"Trade deals and signaling at the plant–fungus interface in mycorrhizal roots"

23.03.2009

Prof. Dr. Arnold J. M. Driessen (University of Groningen)

"Bacterial multidrug resistance – mechanisms and regulation"

16.03.2009

Prof. Dr. Klaus Butterbach-Bahl (Forschungszentrum Karlsruhe)

"Biosphere–atmosphere exchange of trace gases"

23.02.2009

Dr. Eckhard Thines (Institut für Biotechnologie und Wirkstoff-Forschung, Kaiserslautern)

"The infection-related morphogenesis in *Magnaporthe grisea* – what's left to be discovered? Applications of basic research"

16.02.2009

Prof. Dr. Franz Narberhaus (Ruhr-Universität Bochum)

"Lipid metabolism and RNA-mediated temperature sensing in bacteria"

09.02.2009

PD Dr. Stefan Kindler (University Medical Center Hamburg-Eppendorf)

"Dendritic mRNA transport: cis-elements, trans-factors and motor proteins"

02.02.2009

Dr. Robert Arkowitz (Université de Nice)

"Regulation of Rho GTPases and the role of phosphoinositides in budding and pathogenic yeast"

26.01.2009

Dr. Marc Bramkamp (Universität Köln)

"Division site selection in Gram-positive bacteria"

19.01.2009

Prof. Dr. Ralf J. Sommer (MPI for Developmental Biology, Tübingen)

"Nematode-microbial interactions in a beetle ecosystem: *Pristionchus pacificus* as a genetic model system in evolutionary ecology"

12.01.2009

Prof. Dr. Rainer Meckenstock (Helmholtz-Zentrum München)

"Anaerobic degradation of polycyclic aromatic hydrocarbons: Molecular details of an environmentally important process"

2008

15.12.2008

Prof. Dr. Waldemar Vollmer (University of Newcastle upon Tyne)

"Structure and growth of the peptidoglycan sacculus"

08.12.2008 16:00–18:15

Graduate Student Mini-Symposium V/2008

01.12.2008

Prof. Dr. Ralf-Peter Jansen (Universität Tübingen)

"RNA localization: The travel of mRNA from the nucle(ol)us to the cell cortex"

24.11.2008

Dr. Thorsten Stoeck (TU Kaiserslautern)

"Anoxic marine systems – hotspots of eukaryote diversity and evolution"

17.11.2008

Prof. Dr. Siv Andersson (University of Uppsala)

"Comparative genomics of intracellular bacteria"

10.11.2008

Prof. Dr. Frank Oliver Glöckner (MPI for Marine Microbiology, Bremen)

"SILVA & Megx.net: Integrated diversity and (meta)genomic analysis in the (marine) environment"

03.11.2008

Prof. Dr. André Fleissner (TU Braunschweig)

"Self-signaling and hyphal fusion in *Neurospora crassa*"

27.10.2008

Prof. Dr. Alfred M. Spormann (Stanford University)

"The biology of *Dehalococcoides*"

20.10.2008

Prof. Dr. Pascal Simonet (Ecole Centrale de Lyon)

"Horizontal gene transfer (HGT) in soil bacteria"

13.10.2008 13:00

Dr. Reinhard Rachel (Universität Regensburg)

"The interaction of Nanoarchaeum equitans with Ignicoccus hospitalis: proteins in the gap between two cells"

06.10.2008

Dr. Jens Reuther (Universität Tübingen)

"GlnR-mediated regulation of nitrogen assimilation in Streptomyces coelicolor"

29.09.2008

Prof. Dr. Justine Collier (University of Lausanne)

"Temporal regulation of a bacterial cell cycle"

22.09.2008

Dr. Markus Egert (Henkel AG, Düsseldorf)

"Microbiological research to make life easier, better and more beautiful"

15.09.2008

Dr. Jernej Ule (MRC Laboratory of Molecular Biology, Cambridge)

"The role of RNA-binding proteins in neuronal response to activity"

01.09.2008

Prof. Dr. Nils Johnsson (Universität Münster)

"Analysis of protein interactions during secretion in living cells"

18.08.2008

Prof. Dr. Karsten Niehaus (Universität Bielefeld)

"Signals in plant-microbe interactions: a comparison of pathogenic and symbiotic interactions"

28.07.2008

Prof. Dr. Franck Dedeine (Université de Tours)

"Wolbachia-host interactions: from parasitism to mutualism"

21.07.2008

Prof. Dr. Regine Hakenbeck (Universität Kaiserslautern)

"Friend and foe – Genomic evolution of the pathogen Streptococcus pneumoniae"

14.07.2008

Dr. Silke Robatzek (MPI für Züchtungsforschung, Köln)

"Cellular dynamics in plant immunity"

07.07.2008

Dr. Michael Knop (EMBL Heidelberg)

"Quantitative imaging of the dynamics of MAP-kinase signaling complexes in budding yeast"

30.06.2008

Dr. Thomas Ott (LMU München)

"Identification of a novel protein controlling bacterial invasion during symbiotic plant-microbe interactions"

23.06.2008

Prof. Dr. Hauke Hennecke(ETH Zürich)

"The complexity of oxygen-controlled regulons in Bradyrhizobium japonicum"

16.06.2008

Dr. Christian Blodau(Universität Bayreuth)

"Northern peatlands – a spectacular failure of the carbon cycle?"

02.06.2008

Prof. Dr. Susanne Fetzner(Universität Münster)

"There is more than one way to crack a heterocycle: Dioxygenases active toward flavonols and hydroxyquinolones"

26.05.2008

Prof. Dr. David W. Ussery(Technical University of Denmark)

"Burkholderia pan-genomics -- what can we learn from comparison of 50 Burkholderia genomes?"

26.05.2008 16:00

Prof. Dr. Sean Crosson(University of Chicago) "A multiscale analysis of bacterial signal transduction"

19.05.2008

Prof. Dr. Matthias Kästner(Helmholtz Centre for Environmental Research - UFZ)

"Assessment of microbial in situ activity"

05.05.2008

Prof. Dr. Wolfgang Marwan(MPI für Dynamik komplexer technischer Systeme, Magdeburg)

"A systems biology approach to cell differentiation in Physarum polycephalum"

28.04.2008

Prof. Dr. Andrew W. B. Johnston(University of East Anglia)

"Cloning the smell of the seaside – and other remarkable things that bacteria do with sulfur in the oceans"

14.04.2008

PD Dr. Bernd Kreikemeyer(Universität Rostock)

"Role of the Streptococcus pyogenes FCT genomic island for pathogenesis: Biofilms, MSCRAMMs, regulators, pili and more"

17.03.2008

Dr. Tanneke den Blaauwen (University of Amsterdam)

"The molecular basis of length growth and division of Escherichia coli"

03.03.2008

Prof. Dr. Arndt von Haeseler (Universität Wien)

"Reconstructing the phylogeny of fungi from EST projects"

25.02.2008

Prof. Dr. Dietmar Kuhl (FU Berlin)

"Learning about Arg3.1 and long-term memories"

04.02.2008

Prof. Dr. Manfred Schmitt (Universität des Saarlandes)

"Virus-infected killer yeasts: insights into eukaryotic cell biology and biomedical applications"

28.01.2008

Prof. Dr. Pedro M. Alzari (Institut Pasteur)

"Physiological roles and therapeutic potential of mycobacterial Ser/Thr protein kinases and phosphatases"

21.01.2008

Prof. Dr. Joachim Reitner (Universität Göttingen)

"Geo-biological impact of anaerobic oxidation of methane – present and past"

14.01.2008

Dr. Leon P. M. Lamers (Radboud University Nijmegen)

"Applied Biogeochemistry... from landscape to intracellular symbionts and back"

07.01.2008

Prof. Dr. Alexander Steinbüchel (Universität Münster)

"Wax esters and triacylglycerols in bacteria. Synthesis by unspecific acyltransferases"

2007

17.12.07

Prof. Dr. Christian Baron (McMaster University)

"Analysis of protein complex assembly in the bacterial cell envelope: The model of type IV secretion systems"

17.12.07

Prof. Dr. Christian Hertweck (Leibniz-Institute for Natural Products Research and Infection Biology (HKI), Jena)

"Polyketide biosynthesis in bacteria and fungi: from pathway engineering to microbial interactions"

10.12.07

Prof. Dr. Walter Nickel (Universität Heidelberg)

"An extracellular molecular trap for unconventional secretion of fibroblast growth factor 2"

10.12.07

Dr. Joanne M. Santini (University College London)

"Living on arsenic: arsenite as an electron donor"

03.12.07

Dr. Myriam Seemann (Université Louis Pasteur, Strasbourg)

"The methylerythritol phosphate pathway for isoprenoid biosynthesis: a neglected metabolism with metalloenzymes catalyzing unprecedented reactions"

26.11.07

Dr. Gerard Muyzer (Delft University of Technology)

"Ecology and application of haloalkaliphilic sulfur bacteria"

19.11.07

Prof. Dr. Françoise Jacob-Dubuisson (CNRS Lille)

"Two-partner secretion: the model of FHA/FhaC in *Bordetella pertussis*"

29.10.07

Dr. Remus Th. Dame (Cornell University)

"Unravelling bacterial chromatin organization"

22.10.07

Prof. Patrick H. Viollier (Case Western Reserve University)

"Polarity factors regulating cell fate and organelle biogenesis in *Caulobacter crescentus*"

15.10.07

Prof. Dr. Gottfried Uden (Universität Mainz)

"Metabolism of common and unusual C4-dicarboxylates by *Escherichia coli*: Transport and sensing"

01.10.2007

Prof. Dr. Torben Heick Jensen (University of Aarhus)

"Quality control of mRNP formation"

24.09.2007

Philippe Van Cappellen (Utrecht University)

"Microbial iron reduction in coastal sediments: Fe(III) bioavailability, microorganisms and environmental significance"

17.09.2007

Dr. Michael Kube (Max-Planck-Institut für molekulare Genetik)

"Comparative genome analysis of phytopathogenic bacteria"

10.09.2007

Prof. Dr. Kathleen Postle (Pennsylvania State University)

"TonB-dependent energy transduction: New thoughts about an old protein"

03.09.2007

Prof. Dr. Uta Paszkowski (Université de Lausanne)

"Genetics and genomics of the arbuscular mycorrhizal symbiosis in cereals"

27.08.2007

Prof. Dr. Matthias Ullrich (International University Bremen)

"Distribution and potential role of exopolysaccharides in *Pseudomonas syringae* biofilms"

30.07.2007

Prof. Dr. Klas Flärdh (Lund University)

"Growth polarity, cell division, and differentiation in *Streptomyces coelicolor*"

16.07.2007

Dr. Stefan G.R. Wirsal (Universität Halle-Wittenberg)

"The YSST screen identifies secreted proteins of the corn pathogen *Colletotrichum graminicola*"

02.07.2007

Dr. Eric Boschker (Netherlands Institute of Ecology)

"Chemoautotrophy in coastal marine sediments"

18.06.2007

Prof. Dr. Wolfgang Hillen (Universität Erlangen)

"Gene regulation by tetracyclines: a bacterial transcription factor with a career in mammals"

11.06.2007

Prof. Dr. Chris Anthony (University of Southampton)

"Quinoprotein dehydrogenases"

04.06.2007

Prof. Dr. Michael Koomey (University of Oslo)

"Type IV pilus dynamics, structure and function: lessons from *Neisseria gonorrhoeae*"

21.05.2007

Prof. Dr. Miguel A. Peñalva (Centro de Investigaciones Biológicas, CSIC, EMBO, Madrid)

"The intimacies of the pH signal transduction pathway with beta-arrestins and ESCRT-III"

14.05.2007

Prof. Dr. Colin Hughes (University of Cambridge)

"Mechanisms for bacterial export of toxins, drugs and flagellar subunits"

25.04.2007

Dr. Matthias Stein-Gerlach (Max-Planck Innovation)

"Max-Planck Innovation – connecting science and business"

23.04.2007

Dr. Marc Strous (Radboud University Nijmegen)

"Anaerobic methane oxidation coupled to denitrification"

16.04.2007

Elamparithi Jayamani (Universität Marburg)

"NADH:ferredoxin oxidoreductase from *Clostridium tetanomorphum*"

16.04.2007

Sebastian Weis(MPI Marburg)
"Two novel Ser/Thr protein kinases essential for development in Myxococcus xanthus"

16.04.2007

Sonja Vogt(MPI Marburg)
"Coordination of the active site iron in [Fe]-hydrogenase (Hmd) as determined by X-ray absorption spectroscopy"

16.04.2007

Julian König (MPI Marburg)
"Evidence for RNA localisation in Ustilago maydis"

02.04.2007

Yan Zheng (MPI Marburg)
"Identification of transcriptional regulators for the Ustilago maydis mig genes"

26.03.2007

Dr. H. Wilkes(Geoforschungszentrum Potsdam)
"Mechanisms and effects of anaerobic biodegradation of hydrocarbons"

19.03.2007

Oliver Geißinger(MPI Marburg)
"Cultivation-based characterization of the gut microbiota in Pachnoda ephippiata: from phylogenetic novelty to numerical importance"

12.03.2007

Prof. Dr. Georg Felix(Universität Tübingen)
"Perception of PAMPs: a play of hide and seek in plant-microbe interaction"

05.03.2007

Ulrike Theisen(MPI Marburg)"Processes associated with nuclear envelope breakdown in Ustilago maydis"

26.02.2007

Prof. Dr. Jan Tommassen(University of Utrecht)
"Biogenesis of the bacterial outer membrane"

19.02.2007

Anne Rolbetzki (MPI Marburg)
"Activation of a contact-dependent intercellular signalling system by regulated proteolysis in Myxococcus xanthus"

12.02.2007

Wakako Ikeda-Ohtsubo (MPI Marburg)
"Endomicrobia and termite gut flagellates: endosymbiosis and cospeciation"

05.02.2007

Prof. Dr. Jan Dirk van Elsas (University of Groningen)

"Adaptive processes in *Ralstonia solanacearum*, the causal agent of bacterial wilt in potato"

29.01.2007

Sandra Kittelmann (MPI Marburg)

"Cleaning up by breathing – Cultivation-independent identification of novel PCE-respiring microorganisms"

22.01.2007

Prof. Dr. Michael Bott (Forschungszentrum Jülich)

"Regulation of the TCA cycle in *Corynebacterium glutamicum* - a complex game with many players"

15.01.2007

Prof. Dr. Josef Zeyer (ETH Zürich)

"Microbial oxidation of methane in terrestrial ecosystems"

08.01.2007

Prof. Dr. Christoph Dehio (Biozentrum, Universität Basel)

"Recruitment of bacterial conjugation systems for the pathogenesis of the alpha-proteobacterial bacterium *Bartonella*"

2006

18.12.2006

Doris Greilinger (MPI Marburg)

"Characterization of early signal transduction components in *Ustilago maydis*"

11.12.2006

PD Dr. Robert Ros (Universität Bielefeld)

"Nanobiophysics: imaging, manipulation and characterization of single biomolecules"

04.12.2006

Dr. Markus Weinbauer (Laboratoire d'Océanographie de Villefranche)

"Hijackers and hitchhikers in the virosphere: State-of-the-art and perspectives of aquatic prokaryotic virus ecology"

27.11.2006

Dr. Nicole Dubilier (MPI for Marine Microbiology, Bremen)

Chemosynthetic symbionts of marine invertebrates: from metagenomics to the environment"

20.11.2006

Oliver Pilak (MPI Marburg)

"Structural analysis of the iron-sulphur cluster-free hydrogenase"

13.11.2006

Dr. Ralph Panstruga (MPI für Züchtungsforschung, Köln)

"Serpentine MLO proteins as entry portal for powdery mildew fungi"

06.11.2006

Prof. Dr. Barry Scott (Massey University)
"Molecular insights into the mutualistic symbiotic interaction between *Epichloë festucae* and perennial ryegrass"

06.11.2006

Prof. Dr. Arnold Driessen (University of Groningen)
"The bacterial preprotein translocase - a remarkable molecular machine"

30.10.2006

Dr. Isabel Palacios (University of Cambridge)

"Function of motor proteins and the mechanism of mRNA localisation during development"

23.10.2006

Dr. Minou Nowrousian (Ruhr-Universität Bochum)

"Looking at fungal morphogenesis from a molecular perspective: What can we learn from gene expression analyses?"

16.10.2006

Janet Andert (MPI Marburg)

"Transformation of nitrogenous soil components by humivorous beetle larvae"

09.10.2006

Prof. Dr. Leo Eberl (Universität Zürich)

"Bacterial homoserine lactone signalling molecules: chemical Esperanto and drug target"

25.09.2006

Prof. Dr. Angela E. Douglas (University of York)

"Co-operative bacteria: processes and consequences"

11.09.2006

Dr. Claudio De Virgilio (University of Geneva)

"Entry into and exit from G0: Lessons from yeast"

04.09.2006

Chetsada Pothiratana (MPI Marburg)

"The study of b-regulated genes in *Ustilago maydis*"

28.08.2006

Dr. Philip Hugenholtz (DOE Joint Genome Institute)

"No guts, no glory: the termite gut metagenome project"

21.08.2006

Dr. Stefan Hüttelmaier (Universität Halle)

"A guided tour for mRNA: Posttranscriptional gene regulation by Zipcode binding proteins (ZBPs)"

14.08.2006

Pravin Malla Shrestha (MPI Marburg)

"Bacterial community changes in a paddy soil oxygen gradient, assessed by cultivation and mRNA expression profiling"

31.07.2006

Prof. Dr. Kirsten Jung (LMU München)

"Structure-function relationships of bacterial sensors"

24.07.2006

PD Dr. Dominik Begerow (Universität Tübingen)

"Hitchhiking through the botanic realm: plant parasitic fungi in time and space"

17.07.2006

Prof. Dr. Ursel Kües (Universität Göttingen)

"Multiple laccases in evolution, ecology and development of fungi and their potential in biotechnological applications"

10.07.2006

Prof. Dr. Klaus Harter (Universität Tübingen)

"Plant two-component systems: Principles, functions and cross-talk"

03.07.2006

PD Dr. Beate Averhoff (Johann Wolfgang Goethe-Universität Frankfurt)

"DNA uptake machineries: unique systems for the transport of macromolecules across bacterial membranes"

26.06.2006

Dr. Michael Schloter (GSF-Forschungszentrum, Neuherberg)

"Functional genomics — the missing link between nutrient transformation and microbial communities?"

19.06.2006

PD Dr. Ralf Koebnik (Universität Halle)

"Plant-pathogenic xanthomonads: their secretome, their secretions, and their secrets"

12.06.2006

Prof. Dr. Poul Valentin-Hansen (University of Southern Denmark)

"Small regulatory RNAs and Hfq, comrades in post-transcriptional control"

29.05.2006

Dr. Kai Thormann (Ruhr-Universität Bochum)

"Regulation of *Shewanella oneidensis* biofilm formation"

22.05.2006

Nils Hamann (MPI Marburg)

"From methanogens to myxobacteria"

16.05.2006

Prof. Dr. Timothy J. Donohue (University of Wisconsin-Madison)

"Coping with the stress of too much sunlight: a response to the reactive oxygen species singlet oxygen (1O_2)"

15.05.2006

Dr. Jörg Vogel (MPI für Infektionsbiologie)
"Small noncoding RNAs in bacteria"

08.05.2006

Prof. Dr. Bruce Hungate (Northern Arizona University, Flagstaff)
"Interactions between the carbon and nitrogen cycles in a changing world"

02.05.2006

Prof. Dr. Sydney G. Kustu (University of California, Berkeley)
"Biological gas channels for NH₃ and CO₂: evidence that the Rh (Rhesus) proteins are CO₂ channels"

24.04.2006

Prof. Dr. Nina Buchmann (ETH Zürich)
"Ecosystem functioning, biodiversity and environmental change: Understanding links and feedbacks in forests and grasslands"

20.04.2006

Prof. Dr. James Farquhar (University of Maryland)
"Isotopic insights into sulfur cycle evolution"

10.04.2006

Prof. Dr. Peter Graumann (Universität Freiburg)
"Bacteria have a dynamic cytoskeleton"

03.04.2006

Martina Metje (MPI Marburg)
"Anaerobic acetate oxidation, homoacetogenesis and methanogenesis in an acidic peat bog"

27.03.2006

Henning Seedorf (MPI Marburg)
"Structure and function of F₄₂₀H₂ oxidase from methanogenic archaea"

13.03.2006

Prof. Dr. Manfred Heinlein (Universität Basel)
"RNA transport in plants -- Viruses carry the torch"

06.03.2006

Prof. Dr. Wolfgang Hess (Universität Freiburg)
"The mystery of the deep chlorophyll maximum: Marine picocyanobacteria, their genomes, and molecular ecology"

27.02.2006

Dr. Fumio Inagaki (MPI Bremen)
"Chemolithoautotrophic microbial community in liquid CO₂ and/or hydrate-bearing hydrothermal sediments: implications of geobiology and astrobiology"

20.02.2006

Dr. Max Schobert (TU Braunschweig)
"Anaerobic survival of *Pseudomonas aeruginosa*"

13.02.2006

Prof. Dr. Urs Jenal (Universität Basel)

"Control of pole development by a c-di-GMP signal transduction network in *Caulobacter crescentus*"

06.02.2006

Dr. Volker Lipka (Universität Tübingen)

"Molecular dissection of *Arabidopsis* non-host resistance to fungal pathogens"

30.01.2006

Prof. Dr. Frank E. Löffler (Georgia Institute of Technology)

"From cultivation to genomics and back: new insights from *Dehalococcoides* and *Anaeromyxobacter*"

23.01.2006

Dr. Christoph Erkel (MPI Marburg)

"The complete genome sequence of a rice cluster I representative"

16.01.2006

Michael Pester (MPI Marburg)

"Reductive acetogenesis in wood-feeding termites"

09.01.2006

Mohamed Baani (MPI Marburg)

"Functional analysis of the *pmo2* operon of *Methylocyctis* strain SC2"

2005

19.12.2005

Kathi Zarnack (MPI Marburg)

The role of the transcription factor Prf1 during mating and pathogenic development in *Ustilago maydis*

12.12.2005

Dr. Jun Murase (MPI Marburg)

Diversity and function of protists in a rice field soil

05.12.2005

Prof. Dr. Judith P. Armitage (University of Oxford)

How did that get there? Chemotaxis and protein targeting in bacteria

28.11.2005

Prof. Dr. Johannes H. P. Hackstein (Radboud University Nijmegen)

The evolution of hydrogenosomes

21.11.2005

Prof. Dr. Matthias Hahn (TU Kaiserslautern)

Signalling events during germination and early stages of pathogenesis of the grey mold fungus *Botrytis cinerea*

14.11.2005

Prof. Roy Welch (Syracuse University)

Mesoscale annotation of a self-organizing prokaryote

07.11.2005

Uta Fuchs (MPI Marburg)

Recycling of the pheromone receptor Pra1 via yup1-tagged early endosomes is required for pathogenic development of the corn smut fungus *Ustilago maydis*

31.10.2005

Dr. Damian Brunner (EMBL Heidelberg)

Organising microtubules in space and time

24.10.2005

HD Dr. Bettina Siebers (Universität Duisburg-Essen)

Hyperthermophilic Archaea: from genome to function

17.10.2005

Dr. Paul L.E. Bodelier (Netherlands Institute of Ecology)

Does microbial diversity matter for global fluxes? Methane consumption as an exception to the rule!

10.10.2005

Prof. Dr. Willy Verstraete (Ghent University)

Bacteria and processes in the gut: in vivo and in vitro

19.09.2005

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