



MAX-PLANCK-GESELLSCHAFT

November 17-20, 2013

International Symposium on Giant Virus Biology

Ringberg Castle, Tegernsee, Germany

- Scientific Program -

Sunday, November 17

15:00 Arrival, Coffee & Cake
16:00 Welcoming Remarks

Cell Biology and Biochemistry

Chair: Anna Moroni

16:30 **Stewart Shuman**
Memorial Sloan-Kettering Cancer C., USA
*RNA Capping and RNA Repair: DNA
Virus Strategies to Evade RNA-
Damaging Innate Immune Responses*

17:00 **Assaf Vardi**
Weizman Institute, Israel
*Dynamic Remodeling of Host Lipid
Metabolism Mediates Viral Infection of
Algal Blooms in the Ocean*

17:30 **Modesto Redrejo-Rodríguez**
Univ. of Madrid, Spain
*Repair of Base Damage and Genome
Maintenance in the NCLDVs: ASFV as a
Model*

18:00 **Gerhard Thiel**
Technical Univ. Darmstadt, Germany
*Viral Ion Channels:
Small, Active, and Informative*

18:30 Dinner

20:00-21:00 **Curtis Suttle**
Univ. of British Columbia, Canada
*The Big, Bad, and the Ugly –
Viruses in the Sea*

Monday, November 18

Giant Virus Structure & Assembly I

Chair: Mart Krupovic

09:00 **Chuan Xiao**
Univ. of Texas at El Paso, USA
*Structural Studies of the
Giant Marine Virus CroV*

09:30 **Michael Rossmann**
Purdue Univ., USA
The Structures of Large dsDNA Viruses

Monday, November 18 - continued

10:00 **Jason Mercer**
ETH Zürich, Switzerland
*From Screen to Gene: Unraveling the
Mystery of Poxvirus Genome Uncoating*

Coffee Break

Giant Virus Structure & Assembly II

Chair: Dennis Bamford

11:00 **Jacomine Krijnse-Locker**
Univ. of Heidelberg, Germany
*Assembly of Large DNA Viruses, What is
the Same, What is Different?*

11:30 **Abraham Minsky**
Weizman Institute, Israel
*Membrane Assembly During the Infection
Cycle of the Giant Mimivirus*

12:00 **Kiran Kondabagil**
Indian Institute of Technology, India
*Genome Segregation and Packaging in
Large DNA Viruses*

12:30 Lunch

Giant Virus Genomics

Chair: Rudi Amann

14:00 **Grieg Steward**
Univ. of Hawai'i at Manoa, USA
*A Giant Virus Infecting a Mixotrophic
Protist in the Genus Florenciella
(Dichtyochophyceae)*

14:30 **Steven Wilhelm**
Univ. of Tennessee, USA
*The Genome of BtV – the Large Virus
Infecting Aureococcus anophagefferens*

15:00 **Chantal Abergel**
Univ. of Aix-Marseille, France
*Discovery of a New Family
of Large DNA Viruses*

Coffee Break

Monday, November 18 - continued

Viral Evolution

Chair: Andrei Lupas

16:00 Jonathan Filée

CNRS Gif-sur-Yvette, France

How Many Domains of Life if We Include (Giant) Viruses?

16:30 Jean-Michel Claverie

Univ. of Aix-Marseille, France

The Genome of P. globosa Virus PgV-16T Highlights the Common Ancestry of the Largest Known DNA Viruses Infecting Eukaryotes

17:00 Eugene Koonin

National Institutes of Health, USA

Phylogenomics of Giant Viruses: Independent Origins and Diverse Sources of Gene Acquisition

17:30 Tour of Ringberg Castle

18:30 Dinner

20:00-21:00 James Van Etten

Univ. of Nebraska, USA

Living With the Chlorella Viruses for 35 Years

Tuesday, November 19

Ecology of Giant Viruses

Chair: Declan Schroeder

09:00 William Wilson

Bigelow Laboratory for Ocean Sciences

Tools for Determining the Ecology of Giant Viruses in Aquatic Environments

09:30 Hiroyuki Ogata

Tokyo Institute of Technology, Japan

Quantifying Nucleocytoplasmic Large DNA Viruses in Marine Ecosystems

10:00 Corina Brussaard

Royal Netherlands Inst. f. Sea Research

The First Giant Algal Virus PgV and Others Infecting Phaeocystis globosa

Coffee Break

Diversity of Giant Viruses and Virophages

Chair: Sheree Yau

11:00 Ruth-Anne Sandaa

Univ. of Bergen, Norway

Huge Diversity of Novel Viruses Infecting Prymnesiales (Haptophyta)

Tuesday, November 19 - continued

11:30 Bernard La Scola

Univ. of Aix-Marseille, France

New High Throughput Strategies to Detect Giant Viruses in Protozoa

12:00 Philippe Colson

Univ. of Aix-Marseille, France

Taxonomy of Giant Viruses that Infect Amoebae

12:30 Matthias Fischer

MPI for Medical Research, Germany

Virophages, Giant Viruses and Cells – a Microbial Ménage à Trois

13:00 Lunch

15:30 Coffee

16:00 Taxonomy Discussion

18:30 Conference Dinner

20:00 Podcast Recording

"This Week in Virology"

Host: Vincent Racaniello

Columbia University, USA

Wednesday, November 20

09:00 Final Discussion

12:00 Departure

