

# VIRUS ECOLOGY IN MARINE SYSTEMS

## A WORKSHOP ON METHODS

The University Of British Columbia, Vancouver, BC, Canada

JUNE 1 – 3, 2006



Registration: \$150 (CAN)

**INCLUDES ABSTRACT FEE, HEALTH BREAKS, MIXER ON THURSDAY NIGHT AND  
CONFERENCE WRAP-UP DINNER ON SATURDAY NIGHT**

Registration and abstracts deadline: April 1<sup>st</sup>, 2006.

Updates and information to be posted at <http://web.bio.utk.edu/wilhelm/scor.html>

### Confirmed speakers include:

*THE GLOBAL ROLE OF VIRUSES IN BLOOM TERMINATION, BIODIVERSITY AND MARINE ECOLOGY*  
**GUNNAR BRATBAK** – University of Bergen, Norway

*COLLECTION, PROCESSING AND PRESERVATION FOR DIRECT COUNTS AND FLOW CYTOMETRY*  
**CORINA P. D. BRUSSAARD** – Royal Netherlands Institute of Sea Research, Netherlands

*THE GENOMICS OF PHAGE*  
**ROGER W. HENDRIX** - University of Pittsburgh, USA

*THE DEVELOPMENT OF MODELS FOR VIRUS ACTIVITY*  
**MATHIAS MIDDLEBOE** - University of Copenhagen, Denmark

*ISOLATION AND CHARACTERIZATION OF NEW VIRUS – HOST SYSTEMS*  
**KEIZO NAGASAKI** – Fisheries Research Agency – Hiroshima, Japan

*DETERMINING VIRUS-MEDIATED MORTALITY IN MARINE SYSTEMS*  
**MARKUS G. WEINBAUER**- CNRS Oceanographic Laboratory – Villefranche sur Mer, France

*APPLICATION OF MICROARRAYS TO THE CHARACTERIZATION OF VIRUS GENOMES*  
**WILLIAM H. WILSON** – Plymouth Marine Labs, UK

*METAGENOMICS AND THE MARINE VIRUS COMMUNITY*  
**K. ERIC WOMMACK**– University of Delaware, USA



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# THE SCIENTIFIC COMMITTEE FOR OCEANOGRAPHIC RESEARCH

WORKING GROUP ON MARINE VIRUSES – WG 126  
JUNE 1 – 3, 2006, THE UNIVERSITY OF BRITISH COLUMBIA, VANCOUVER, BC

## INTRODUCTION TO MEETING

*A BRIEF WELCOME AND MEETING LOGISTICS*  
**CURTIS A. SUTTLE- CONFIRMED**

*OVERVIEW OF WG 126 GOALS- CHALLENGES, ROADBLOCKS AND PITFALLS*  
**MARKUS G WEINBAUER & STEVEN W. WILHELM - CONFIRMED**

### I. ACCURATE ESTIMATES OF VIRUS ABUNDANCE AND PRODUCTION

*COLLECTION, PROCESSING AND PRESERVATION FOR DIRECT COUNTS AND FLOW CYTOMETRY*  
**CORINA P. D. BRUSSAARD – Royal Netherlands Institute of Sea Research, Netherlands  
CONFIRMED**

*WORKING WITH VIRUSES IN MARINE SEDIMENTS*  
**JANICE E. LAWRENCE – University of New Brunswick, Canada  
CONFIRMED**

*DETERMINING VIRUS-MEDIATE MORTALITY IN MARINE SYSTEMS*  
**MARKUS G. WEINBAUER- CNRS Oceanographic Laboratory – Villefranche sur Mer, France  
CONFIRMED**

*ISOLATION AND CHARACTERIZATION OF NEW VIRUS – HOST SYSTEMS*  
**KEIZO NAGASAKI – Fisheries Research Agency – Hiroshima, Japan  
CONFIRMED**

### II. GENE BASED ESTIMATES OF VIRUS DIVERSITY

*COMMUNITY PROFILING WITH PFGE AND HYBRIDIZATION*  
**GRIEG STEWARD – University of Hawaii**

*COMMUNITY PROFILING WITH DGGE AND SEQUENCING*  
**STEVEN M. SHORT– University of Denver, USA  
CONFIRMED**

*CHARACTERIZATION OF CONSERVED GENES FOR VIRUS GROUP*  
**FENG CHEN- University of Maryland, USA  
CONFIRMED**

### III. GENOMICS, GENOME ANALYSIS and METAGENOMICS

*APPLICATION OF MICROARRAYS IN THE CHARACTERIZATION OF VIRUS GENOMES*  
**WILLIAM H. WILSON – Plymouth Marine Labs, UK  
CONFIRMED**

*THE GENOMICS OF PHAGE*  
**ROGER W. HENDRIX – University of Pittsburgh, USA  
CONFIRMED**

*METAGENOMICS AND THE MARINE VIRUS COMMUNITY*  
**K. ERIC WOMMACK– University of Delaware, USA  
CONFIRMED**

*METAGENOMICS WITH RNA VIRUSES*  
**ALEX CULLEY– University of British Columbia, Canada  
CONFIRMED**

### IV. GLOBAL IMPLICATIONS FOR MARINE VIRUSES

*THE SYNERGY BETWEEN VIRUSES IN NUTRIENT CYCLES AND SYSTEM GEOCHEMISTRY*  
**STEVEN W. WILHELM – University of Tennessee, USA  
CONFIRMED**

*THE GLOBAL ROLE OF VIRUSES IN BLOOM TERMINATION, BIODIVERSITY AND MARINE ECOLOGY*  
**GUNNAR BRATBAK – University of Bergen, Norway  
CONFIRMED**

*IMPLICATIONS ON GLOBAL SCALES - THE DEVELOPMENT OF MODELS FOR VIRUS ACTIVITY*  
**MATHIAS MIDDLEBOE - University of Copenhagen, Denmark  
CONFIRMED**