VIRUS ECOLOGY IN MARINE SYSTEMS

A WORKSHOP ON METHODS

The University Of British Columbia, Vancouver, BC, Canada

JUNE 1 – 3, 2006

International Council for Science
Scientific Committee on Oceanic Research

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 1st, 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

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

Co-sponsored by

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The Peter Wall Institute for Advanced Studies

THE SCIENTIFIC COMMITTEE FOR OCEANOGRAPHIC RESEARCH

WORKING GROUP ON MARINE VIRUSES – WG 126
JUNE 1 – 3, 2006, THE UNIVRESITY 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 HYDRIDZATION
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

METAGEMOMICS 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