



StellaFest II

2nd Annual *Nematostella* Research Conference

Boston University

Monday, August 27, 2012

9:00 Introduction and Welcome



9:20 John Finnerty, Boston University

StellaBase v2.0: Redesigned for the Transcriptomics Age with Features Designed to Make Use of High Throughput Sequencing Data



9:40 David Fredman, University of Vienna

The *Nematostella* Transcriptome



10:00 Brian Granger, Boston University

Production of a Reference Transcriptome and Transcriptomic Database (EdBase) for the Parasitic Cnidarian, the Lined Sea Anemone, *Edwardsiella lineata*



10:15 Tristan Lubinski, Boston University

Genome ForSite—A computational pipeline for predicting transcription factor binding sites in a sequenced genome and its application to *Nematostella NFkB*



10:30 Derek Stefanik, Boston University

Transcriptome Profiling of the Derived Life Cycle of the Parasitic Sea Anemone, *Edwardsiella lineata*

10:45 Roundtable: Bioinformatic Resource Development

11:30 Poster Session: Antje Fisher, Marine Biological Laboratory; Matthew Dunn, Stony Brook; Patricia Bossert, Stony Brook; Amos Schaffer

12:00 Lunch



1:00 Patricia Bossert, Stony Brook

Establishing a Reference System for Staging Regeneration in *Nematostella*



1:20 Matthew Dunn, Stony Brook
Msx in the Development and Regeneration of *Nematostella*



1:40 Timothy Helbig, Massachusetts Institute of Technology
Comparative Genomic Analysis of *Nematostella vectensis* Microbial Symbionts



2:00 Ashley Power, Boston University
Possible Symbionts in *Nematostella vectensis*



2:10 Rachel Schweiker, Boston University
Investigating the Genetic Basis of Local Temperature Adaptation in *Nematostella vectensis* Using Transcriptome Profiling

2:20 Break



2:40 Yehu Moran, University of Vienna
The Roles and Mode of Action of microRNAs in the Starlet Sea anemone *Nematostella vectensis* (Cnidaria; Anthozoa)



3:00 Francis Wolenski, Boston University
NF- κ B Signaling in *Nematostella vectensis*



3:20 Lauren Friedman, Boston University
Microevolution of the Oxidative Stress Response Phenotype in the Starlet Sea Anemone, *Nematostella vectensis*



3:40 Ann Tarrant, Woods Hole Oceanographic Institution
Induction of Antioxidant Enzymes in *Nematostella*

4:00 Roundtable: Methods for Functional Characterization