

General Program: Seventh International Chrysophyte Symposium

Sunday, June 22, 2008

- 3:00-10:00pm** Registration (Blaustein Humanities Center, Lobby)
- 6:30-8:30pm** Evening Social with hors d'oeuvres and drinks (Hood Dining Room and Terrace, Blaustein)

Monday, June 23, 2008

- 7:00-8:45am** Breakfast (Harris Refectory)
- 8:45-9:00am** Welcome and opening remarks by Peter Siver and Connecticut College President Lee Higdon (Blaustein 210)

Keynote Presentation:

- 9:00-10:00am** **The Early Evolution of Eukaryotes.** A.H. Knoll, Harvard University
- 10:00-10:30am** Break

Paleolimnology Mini-Symposium:

Moderator: Christian Kamenik

- 10:30-11:00am** **The application of chrysophytes to lake management issues: assessing environmental change from weeks to centuries.** A.M. Paterson and J.P. Smol
- 11:00-11:30am** **Chrysophyte cysts from lake sediments reveal submillennial seasonal signature (winter/spring) on climate variability in the north-western Mediterranean region throughout the Holocene.** S. Pla and J. Catalan
- 11:30am-12:00pm** **Chrysophytes: Climate proxies in Alpine lake sediments.** C. Kamenik
- 12:00-12:30pm** **Chrysophytes in the Eocene.** P.A. Siver and A. Wolfe
- 12:30-1:30** Lunch (Harris Refectory)

Open Session (Blaustein 210) Moderator: Jørgen Kristiansen

- 2:00-2:20pm** **Chrysophyte cysts and diatoms: powerful tools for determining the paleoenvironment and age of the Hueyatlaco early man site, Puebla, Mexico.** S. L. VanLandingham
- 2:20-2:40pm** **Yarmouthian (430,000 - 500,000 yr BP) chrysophyte cyst assemblages aid in corroborating a maximum Illinoian (ca. 220,000 - 430,000 yr BP) age for the artifacts at the Hueyatlaco site, Puebla, Mexico.** S. L. VanLandingham

- 2:40-3:00pm** **Chrysophytes from glacial lakes of the Polar Ural (Russia).** L.N. Voloshko
- 3:00-3:15pm** Break
- 3:15-3:35pm** ***Mallomonas pseudocoronata*, an invasive species in Scania, South Sweden.** G. Cronberg
- 3:35-3:55pm** **A web-based database for viewing siliceous microfossils from the Eocene.** P.A. Siver, J.M. Pelczar and A.M. Lott
- 4:00-5:00pm** Tour of Connecticut College Arboretum by Director Glenn Dreyer
- 6:00-7:00pm** Dinner (Hood Dining Room, Blaustein)
- Evening Keynote:** (Blaustein 210)
- 7:30-8:30pm** **Microscopes and Diatoms.** Jan Hinsch, Leica Corporation
- 8:30-9:30pm** Ice-cream Social (Lambdin Game Room)

Tuesday, June 24, 2008

- 7:00-8:45am** Breakfast (Harris Refectory)
- 8:45-9:00am** Introductory remarks, announcements and updates (Blaustein 210)
- Keynote Presentation:**
- 9:00-10:00am** **Microbial Population Structure of the World's Oceans: an underexplored "rare biosphere."** M. L. Sogin, The Marine Biological Laboratory in Woods Hole
- 10:00-10:30am** Break
- Evolution of Heterokonts Mini-Symposium:**
Moderator: Bob Anderson
- 10:30-11:00am** **Heterokont algal phylogenies derived from multi-gene analyses.** B. Andersen
- 11:00-11:30am** **Molecular evolution of brown algae and kelps.** H.S. Yoon, G.Y. Cho, N.G. Klochkova, and S.M. Boo
- 11:30am-12:00pm** **Plastids and colorless stramenopiles: implications for the origin of heterokont algae.** J.C. Bailey

- 12:00-12:30pm** **The stramenopile chloroplast genome: new evolutionary and functional insights.** R.A. Cattolico, J. Chang, C. Gobler, H. Ong, E. Sims, G. Rocap, S. Wilhelm, Y. Zhou, and M. Jacobs
- 12:30-1:30pm** Lunch (Harris Reflectory)
- Open Session** (Blaustein 210) **Moderator: Craig Bailey**
- 2:00-2:20pm** **Mixotrophy in two species of *Ochromonas*.** D.A. Holen
- 2:20-2:40pm** **Comparison of complete mitochondrial genomes of two geographically and temporally distinct isolates of *Heterosigma akashiwo*.** M.A. Jacobs, K.G. Karol, E.H. Sims, W. Gillett, H. Hayden, E. Haugen, K.A. Phelps and R.A. Cattolico
- 2:40-3:10pm** **Plastid evolution and a post-endosymbiotic evolution in *Paulinella*.** H.S. Yoon, R.A. Andersen, D. Bhattacharya, A. Reyes-Prieto, S.M. Boo, K. Ishida, T. Nakayama
- 3:10-3:25pm** Break
- 3:25-4:05pm** **What do Choanoflagellates teach us about the Chrysophytes?** B.S.C. Leadbeater
- 4:05-4:25pm** **Light and bacteria: substitutable drivers of fuels for chrysophyte outbreaks?** S.B. Watson and E. McCauley
- 4:25-4:45pm** **An informal discussion on the state of chrysophyte collections.** P. Hamilton
- 4:45-5:00pm** **Introduction to Stom@ocyst WIKI Workshop.** C. Kamenik
- 5:00-6:00pm** **Poster Session and Social** (Ernst Common Room, Blaustein)
- 6:30-7:30pm** Dinner (Hood Dining Room, Blaustein)
- 7:30-9:30pm** **Stom@ocyst WIKI Workshop** led by Christian Kamenik (Davis Room, Shain Library)
- Wednesday, June 25, 2008**
- 7:00-8:45am** Breakfast (Harris Refectory)
- 8:45am** Meet for field trip to Mystic Seaport or Yale Peabody Museum (Lobby, Crozier Williams Student Center)
- 6:00pm** Dinner: New England Clam Bake with Sea Shanty Music (Cro Pit, outside Crozier Williams Student Center)

Thursday, June 26, 2008

7:00-8:15am Breakfast (Harris Refectory)

8:15-8:30am Introductory remarks, announcements and updates (Blaustein 210)

Keynote Presentation:

8:30-9:30am **Use of geomorphometrics in biology.** J. Rohlf, Department of Ecology & Evolution, Stony Brook University

9:30-10:00am Break

Signals and Smells: Chemical Ecology & Taste and Odor Mini-Symposium:

Moderator: Jim Wee

10:00-10:30am **Chromophyte lipids: nature, nurture and noxious signals.** S.B. Watson

10:30-11:00am **Bioinvasion by the diatom, *Didymosphenia geminata*: D-day is upon us.** D.S. Domozych, S. Kiemle, M. Riccio and M.R. Gretz

11:00-11:30am **Ecological functions of diatom derived aldehydes: deleterious blooms & chemical signals.** T. Wichard

11:30am-12:00pm **Brown algal signaling in the intertidal environment: molecular evidence of cross-talk and the production of defensive compounds.** K.N. Pelletreau, K.J. Coyne, T.M. Arnold and N.M. Targett

12:00-12:30pm **The case of the cucumber flavor.** G. A. Burlingame

12:30-1:30pm Lunch (Harris Refectory)

Open Session (Blaustein 210) **Moderator: Dale Holen**

1:50-2:10pm **Removal of taste and odor-causing chrysophytes from the Israeli national water carrier.** R. Porat, B. Azoulay and G. Zeira

2:10-2:30pm **Size and shape relation in algal morphometrics – the environmental correlates and the patterns of allometry.** J. Neustupa, Y. Němcová, M. Řezáčová-Škaloudová, K. Machová, J. Veselá, A. Pouličková and M. Pichrtová

2:30-2:50pm **Geometric morphometrics of complex symmetric structures: Quantifying symmetric variation and asymmetry in *Micrasterias rotata*.** Y. Savriama and C. P. Klingenberg

- 2:50-3:10pm** **Shape dynamics of silica scales in experimental populations of synurophytes.** Y. Němcová, J. Neustupa, M. Pichrtová and M. Škaloudová
- 3:10-3:30pm** Break
- Workshop:**
- 3:30-4:30pm** **The senses of taste and smell.....and water.** G.A. Burlingame
- 4:30-5:30pm** Business Meeting (Faculty Lounge, Blaustein)
- 5:30-6:30pm** Social Hour (Cro's Nest Balcony, Crozier Williams Student Center)
- 6:30-8:30pm** Closing Banquet and a talk by Jørgen Kristiansen: **A personal account of changes in Chrysophyte studies over the past 50 years.**
- Friday, June 27, 2008**
- 7:00-8:45am** Breakfast (Harris Refectory) and Departures