

Day	Time	Activity	Talk title
19th August, Wednesday			
	07:15-08:15	Breakfast	
	12:00-15:00	Algae Collection Walk	
	17:00-21:00	Registration	
	18:00-21:00	Welcome Reception, cold buffet	
20th August, Thursday			
	07:15-08:15	Breakfast	
		Morning Session 1: Life Cycle	
	08:30-08:40	Chair: James Umen	Introduction
	08:40-09:05	Hiroko Kawai-Toyooka	Isolation and characterization of the plus and minus tubular mating structures from the isogamous volvocine alga <i>Gonium pectorale</i>
	09:05-09:30	Takashi Hamaji	Transcriptome analysis of sexual and vegetative development in <i>Volvox carteri</i>
	09:30-09:55	Sa Geng	Cross-species complementation experiments reveal a complex evolutionary history of the MID gene and its regulatory networks in Volvocine algae
	09:55-10:20	Dinah Davison	Phenotypic stability and flexibility in the Volvocaceae
	10:20-10:40	Tea, coffee break	
		Morning Session 2: Cell Differentiation	
	10:40-10:50	Chair: Erik Hanschen	Introduction
	10:50-11:15	Zachariah Grochau-Wright	Genetic Basis for Cellular Differentiation is Present in Undifferentiated Volvocine Green Algae
	11:15-11:40	Arash Kianianmomeni	Cell-type specific light-mediated transcript regulation in <i>Volvox</i>
	11:40-12:05	Gavriel Matt	Transcriptomic analysis of cell types in <i>Volvox carteri</i> yields new insights into the molecular-genetic basis of germ-soma differentiation
	12:05-13:30	Lunch	
		Afternoon Session 1: Development	
	13:30-13:40	Chair: Matthew Herron	Introduction

13:40-14:05	Shota Yamashita	Another evolution for spheroidal colony formation: developmental analysis of <i>Astrephomene</i> (Volvocales, Chlorophyta)
14:05-14:30	Stephanie Hoehn/Pierre Haas	Mechanics of a Volvox Embryo Turning Itself Inside Out
14:30-14:55	Alexey Desnitskiy (prerecorded)	Geographical distribution of the species of <i>Volvox</i> and the light/dark control of gonidial divisions
14:55-15:15	<i>Tea, coffee break</i>	
Afternoon Session 2: Evolution		
15:15-15:25	Chair: Aurora Nedelcu	Introduction
15:25-15:50	Matt Herron	Experimental evolution of multicellularity in <i>Chlamydomonas reinhardtii</i>
15:50-16:15	Margrethe Boyd	Motility in Multicellular <i>Chlamydomonas reinhardtii</i>
16:15-16:40	Erik Hanschen	Cell cycle regulation and the evolution of multicellularity
16:40-17:30	Guest Speaker: Pauline Schaap	Evolution of developmental signalling and cell-type specialization in the <i>Dictyostelia</i>
17:30-18:30	Poster Session	
18:30-open end	<i>Paella dinner</i>	

21st August, Friday

07:15-08:15	<i>Breakfast</i>	
Morning Session 1: Biophysics		
08:30-08:40	Chair: Ray Goldstein	Introduction
08:40-09:05	Doug Brumley	Sync and swim: flagellar dynamics in <i>Volvox carteri</i>
09:05-09:30	Tim Pedley	Squirmers with swirl: a model for <i>Volvox</i> swimming
09:30-09:55	Kirsty Wan	Evolutionary Roots of Multiflagellation
09:55-10:20	Noriko Ueki	Eyespot overrides the cellular lens effect and is important for determination of correct phototactic direction in Volvocales
10:20-10:40	<i>Tea, coffee break</i>	
Morning Session 2: Taxonomy, Phylogeny & Ecology		
10:40-10:50	Chair: Hisayoshi Nozaki	Introduction
10:50-11:15	Hisayoshi Nozaki	Taxonomic re-examination of two sexual types of " <i>Volvox africanus</i> " by Starr (1971), based on the use of new strains from Lake Biwa, Japan

11:15-11:40	Thomas Pröschold	New insights on the phylogenetic position of unicells among the Volvocales
11:40-12:05	Cristian Solari	Predicting abundance as a response to temperature: A chemostat approach using the volvocine green algae
12:05-13:30	<i>Lunch</i>	
	Afternoon Session 1: Genetics Workshop	
13:30-13:40	Chair: David Smith	Introduction
13:40-14:05	Kayoko Yamamoto	Identification and characterization of the MID orthologs from two homothallic species of <i>Volvox</i>
14:05-14:30	Jose Ortega	Investigating somatic cell differentiation and its evolution through analysis of <i>reqA</i> group genes.
14:30-14:55	Tara Marriage	The genetic basis of multicellularity by evolutionary transcriptomics
14:55-15:15	<i>Tea, coffee break</i>	
	Afternoon Session 2: Genomics Workshop	
15:15-15:25	Chair: Bradley Olson	Introduction
15:25-15:50	Matheus Sanita Lima	Volvocine chloroplast genomes: what do they hide?
15:50-16:15	Jonathan Featherston	An Update on the Genome Sequence of <i>Tetrabaena socialis</i> NIES-571
16:15-16:40	Aurora Nedelcu	Gene co-option, antagonistic pleiotropy, and the evolution of somatic cell differentiation in <i>Volvox carteri</i>
16:40-17:30	Bradley Olson	Volvocales Genome Project - Update and Methodology
17:30-18:30	Image, Video, Arts Competition	
18:30-18:50	Walk to Magdalene College	
19:00-21:00	<i>Banquet, Award Ceremony</i>	

22nd August, Saturday

07:15-08:15	<i>Breakfast</i>
09:15-10:15	Round Table
10:45-12:10	View City Centre, Market Place
12:10-12:30	Walk to Scudamore Punting Station
12:30-13:30	Punting
13:50-open end	<i>Afternoon Tea</i>