Shape Responsive Fluorophores
Organizers:
Kyril Solntsev (Georgia Tech, Atlanta, GA, USA) cellphone 404-358-8352
and Ben Zhong Tang (The Hong Kong University of Science and Technology)

Hosts:
TSRC
Nana Naisbitt 970-708-0004
Rory Sullivan 970-708-4542

Location:
Telluride Intermediate School
725 West Colorado Avenue
Telluride CO 81435

Sunday, June 9
6:00 - 9:00 pm Welcome Reception at New Sheridan Bar
233 W Colorado Ave

Monday, June 10
7:30 - 8:30 am Breakfast @ TSRC

Morning session 8:30 am – 12:30 pm
Laren Tolbert – Chair.

8:30 - 8:45 am Kyril Solntsev and Ben Zhong Tang
Greetings from the organizers

8:45 – 9:35 am Ben Zhong Tang (The Hong Kong University of Science and Technology) Recent Progress in the AIE study.


10:25 - 10:50 am Coffee break

10:50 - 11:40 am Felix Hoevelmann (Humboldt University Berlin, Germany) Forced intercalation of Thiazole Orange – hybridization probes for RNA imaging.

11:40am - 12:30 pm Seth Olsen (University of Queensland, Australia) Monomethine Molecular Rotors: Implications of the Cyanine Limit.

12:30 –1:30 pm Catered Lunch @ TSRC
Tuesday, June 11

Afternoon session 1:30 pm – 5:45 pm
Yitzhak Tor - Chair

1:30 - 2:25 pm  Kyril Solntsev (Georgia Tech, Atlanta, GA, USA). *Photophysics and photochemistry of the Green Fluorescence Protein synthetic chromophores.*

2:25 - 3:20 pm  Mogens Brøndsted Nielsen (University of Copenhagen, Denmark) *Absorption and Fluorescence Tuning of the GFP Chromophore.*

3:20 - 3:55 pm  Coffee break.

3:55 - 4:50 pm  Laren Tolbert (Georgia Tech, Atlanta, GA, USA) *GFP synthetic chromophores as “turn-on” fluorescent probes for proteins.*

4:50 - 5:45 pm  Alexander Mishin (Shemyakin-Ovchinnikov Institute of Bioorganic Chem, Moscow, Russia) *Bacterial proteins for specific binding of fluorogenic Kaede-like chromophores.*

6:00 pm  Group dinner at New Sheridan Chop House at 233 W Colorado Ave. $55/person.

Wednesday, June 12

12:30 – 1:30 pm  Catered Lunch @ TSRC

Afternoon session 1:30 pm – 5:45 pm
Eric Vauthey - Chair

1:30 - 2:25 pm  Zhen Li (Wuhan University, China) *The Design, Synthesis and Properties of Some New Blue Fluorophores with Aggregation-Induced Emission.*

2:25 - 3:20 pm  Deqing Zhang (Institute of Chemistry, Chinese Academy of Sciences) *New aspects of aggregation-induced emission: red-emissive luminogens for biosensors/imaging and polymorphism-dependent emission.*

3:20 - 3:55 pm  Coffee break.

3:55 - 4:50 pm  Alex Rebane (Montana State Univ, Bozeman, MT, USA) *Probing molecular-level interactions using quantitative two-photon absorption spectroscopy.*

4:50 - 5:45 pm  Mikhail Drobizhev (Montana State Univ, Bozeman, MT, USA) *Interplay between Electronic Effects and Steric Hindrance in Controlling Reversible Photo-isomerization in Red Fluorescent Proteins.*

6:00 pm  Telluride picnic at the Ah Haa School for the Arts, 300 S. Townsend, Telluride
Thursday, June 13

7:30 - 8:30 am Breakfast @ TSRC

Morning session 8:30 am – 12:35 pm
Seth Olsen – Chair.

8:30 – 9:25 am  Eric Vauthey (University of Geneva, Switzerland) *Ultrafast excited-state dynamics of shape and environment-responsive molecules.*

9:25 – 10:20 am  Ognjen Miljanic (University of Houston, TX, USA) *Cross-Conjugated Benzobisoxazoles and Benzimidazoles as Versatile Fluorescent Sensors.*

10:20 - 10:45 am  Coffee break

10:45 – 11:40 am  Anjun Qin (Zhejiang University, China) *Luminogenic Polymers with Aggregation-Induced Emission characteristics.*

11:40 am - 12:35 pm  Omar Abdelsaboor (KAUST, Saudia Arabia) *Charge Transfer Assisted by Collective Hydrogen-Bonding Dynamics.*

Friday, June 14

7:30 - 8:30 am Breakfast @ TSRC

Morning session 8:30 am – noon
Mikhail Drobizhev – Chair.

8:30 – 9:25 am  Suzanne Fery-Forgues (Advanced Technology Institute for Life Sciences, Toulouse, France) *Organic ion-pairs exhibiting Aggregation-Induced Emission and their use for biological applications.*

9:25 – 10:20 am  Vandana Bhalla (Guru Nanak Dev University, India) *Fluorescent Discotic Materials: Self Assembly and Sensing Applications.*

10:20 - 10:45 am  Coffee break

10:45 – 11:40 am  Brett Fellows (Georgia Tech, Atlanta, GA, USA) *Combinatorial synthesis of RFP chromophores. GFP chromophore – based polymers.*

11:40 am  Wrap up.