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THE FOURTH INTERNATIONAL FASEB CONFERENCE ON RETINOIDS

June 10th-15th, 2018
Steamboat Springs, CO

Organizers:

Natalia Kedishvili, Ph.D., Professor

University of AL-Birmingham School of Medicine
Birmingham, Alabama

Maureen Kane, Ph.D., Associate Professor

University of Maryland School of Pharmacy
Baltimore, Maryland

Sunday, June 10th, 2018

Time	Title/Topic Event	
4:00 p.m. – 9:00 p.m.	Conference Registration	
6:00 p.m. – 7:00 p.m.	Welcome Reception	Natalia Kedishvili
7:00 p.m. – 8:00 p.m.	DINNER	
8:00 p.m. – 9:30 p.m.	Keynote Speaker / Opening Scientific Session	<u>Michael B. Sporn</u> , “Retinoids Meet Rixinoids: Past, Present, and Future”.

Monday, June 11th, 2018

Time	Title/Topic Event	
7:30 a.m. – 1:00 p.m., 4:00 p.m. – 7:00 p.m.	Conference Registration	
7:30 a.m. – 9:00 a.m.	BREAKFAST	
9:00 a.m. – 12:00 p.m.	Session 1: Carotenoid Metabolism and Signaling <i>Chair: Earl Harrison</i> Group Photo at 10:30 am	<u>Loredana Quadro</u> , Pathways of beta-carotene metabolism and maternal heart hypertrophy. <u>Sherry Tanumihardjo</u> , Carotenoid metabolism and signaling: Do provitamin A carotenoids always mitigate hypervitaminosis A? <u>Johannes von Lintig</u> , The Biochemical Basis of Vitamin A Production from Asymmetric Carotenoids. FASEB Sponsored Coffee Break and Group Photo <u>Georg Lietz</u> , “Simple determination of provitamin A bioefficacy and total body stores of vitamin A using stable isotope techniques”. 5-min CAPSULE REPORTS: Winners of the Noa Noy Travel

		Awards: Elizabeth Meyers; Di Zhang; Rachel Gewiss; Orsola DiMartino; Anna Davis; Aditi Dubey; Wenjing Li.
10:30 am -11:00 am	<i>FASEB Sponsored Coffee Break</i>	
12:00 p.m. – 1:00 p.m.	LUNCH and “Meet the Speaker” round table for trainees	
1:00 p.m. – 2:30 p.m.	Training Workshop: “Path to Independence” with leaders from academia, industry, etc.	
2:30 p.m. – 4:00 p.m.	Free time	
4:00 p.m. – 6:00 p.m.	Poster Session 1A	
6:00 p.m. – 7:00 p.m.	DINNER with Mentor: “How to balance work and life” with female scientists	
7:00 p.m. – 10:00 p.m.	<u>Session 2:</u> Retinoid Metabolism and Signaling Chair: <i>William Blaner</i>	<u>William Blaner</u> , RBP2: A Distinct Role in metabolic disease development. <u>Marcin Golczak</u> : Small-Molecule Ligands of Cellular Retinol-Binding Proteins: Identification of Novel Modulators of Vitamin A Metabolism. <u>Glenn Lobo (Short Talk)</u> , Physiological Role of the Retinol Binding Protein Receptor 2 (RBPR2) in the Systemic Uptake of Vitamin A for Vision. FASEB Sponsored Coffee Break <u>Michael Griswold</u> , Retinoic acid and the commitment to differentiation of spermatogonia. <u>Liraz Levi</u> , Dietary long-chain fatty acids affect cognitive function by modulating RA signaling pathways. <u>Special Session: Noa Noy Memorial Lecture</u> Speakers: Danny Manor, Maureen Kane.
8:15 pm – 8:30 pm	<i>FASEB Sponsored Coffee Break</i>	

Tuesday, June 12th, 2018

Time	Title/Topic Event	
7:30 a.m. – 1:00 p.m., 4:00 p.m. – 7:00 p.m.	Conference Registration	
7:30 a.m. – 9:00 a.m.	BREAKFAST	
9:00 a.m. – 12:00 p.m.	<u>Session 3:</u> Retinoid Receptors Chair: <i>Dianne Soprano</i>	<u>Cecile Rochette-Egly</u> , Novel insights in transcription regulation by Retinoic Acid Receptors. <u>Annick Dejaegere</u> , Integrative biophysical studies of retinoid receptors structural dynamics: implications for regulation and signaling mechanisms. FASEB Sponsored Coffee Break <u>Powel Brown</u> : Developing Retinoids for the Treatment & Prevention of Breast Cancer. <u>CAPSULE REPORTS</u> : eight 5-min poster talks selected from submitted abstracts: Jesse Sheftel; Xian-Yang Qin; Marta Vuckovic; Jianshi Yu; Cheng-Hsin (Gina) Wei; Yaqi Li; Jennifer Nhieu; David Cotnoir-White.
10:00 a.m. – 10:20 a.m.	<i>FASEB Sponsored Coffee Break</i>	
12:00 p.m. – 1:00 p.m.	LUNCH and	

	"Meet the Speaker" round table for trainees	
1:00 p.m. – 3:00 p.m.	Training workshop: "Meet the Expert", with Dr. Padma Maruvada , Program Director, Division of Digestive Diseases and Nutrition, NIDDK.	
3:00 p.m. – 4:00 p.m.	Free time	
4:00 p.m. – 6:00 p.m.	Poster Session 1B	
6:00 p.m. – 7:00 p.m.	DINNER with Mentor: "How to publish in high impact journals" with members of editorial boards	
7:00 p.m. – 9:45 p.m.	<u>Session 4:</u> Retinoids and disease 1 - metabolic diseases Chair: <i>Joseph Napoli</i>	<u>Joseph Napoli</u> , Retinoic acid homeostasis and its relationship to regulating adiposity and bone density. <u>Yaron Rotman</u> , HSD17B13 is a Hepatic Retinol Dehydrogenase with a Potential Pathogenic Role in Non-Alcoholic Fatty Liver Disease. <u>Olga Belyaeva (Short Talk)</u> , Epidermal retinol dehydrogenase 2 (RDHE2) and RDHE2-similar protein function in retinoic acid biosynthesis in adult tissues. FASEB Sponsored Coffee Break <u>Christoph Wilhelm</u> , Metabolic Regulation of ILC Mediated Barrier Protection by Vitamin A. <u>Elizabeth Nowak</u> , Retinoic acid controls T cell lineage commitment. <u>Yi-Wei Lin (Short Talk)</u> , Correction of metabolic diseases by fecal microbiome transfer of RIP140-regulated systemic anti-inflammation.
8:15 pm - 8:30 pm	<i>FASEB Sponsored Coffee Break</i>	

Wednesday, June 13th, 2018

Time	Title/Topic Event	
7:30 a.m. – 1:00 p.m., 4:00 p.m. – 7:00 p.m.	Conference Registration	
7:30 a.m. – 9:00 a.m.	BREAKFAST	
9:00 a.m. – 12:00 p.m.	<u>Session 5:</u> Retinoids and diseases -2 Chair: <i>Lorraine Gudas</i>	<u>Lorraine Gudas</u> , A retinoic acid receptor β 2 agonist reduces hepatic stellate cell activation in nonalcoholic fatty liver disease and improves renal function. <u>Hiroyuki Kagechika</u> , Development of Novel Synthetic Retinoids with Unique Hydrophobic Pharmacophore. <u>Ronggui "Cory" Hu (Short Talk)</u> , Impaired retinoic acid signaling, a novel insight into human autism spectrum disorders. FASEB Sponsored Coffee Break <u>Margherita Cantorna</u> , The vitamin A deficient host, the microbiota and host resistance to infection. <u>Vladimir Kefalov</u> , Mechanisms for pigment regeneration in cone photoreceptors. <u>Sung Wook Park (Short Talk)</u> Crabp1 protects the heart from isoproterenol-induced acute and chronic remodeling.
10:15 am – 10:35 am	<i>FASEB Sponsored Coffee Break</i>	
12:00 p.m. – 1:00 p.m.	LUNCH and "Meet the Speaker" round table for trainees	
1:00 p.m. – 4:00 p.m.	FREE TIME:	

	group activities and trips to stimulate informal interactions among participants	
4:00 p.m. – 6:00 p.m.	Poster Session 2A	
6:00 p.m. – 7:00 p.m.	DINNER with Mentor: “How to write a competitive grant application” with members of study sections.	
7:00 p.m. – 9:45 p.m.	<u>Session 6:</u> Retinoid homeostasis and cancer Chair: Maureen Kane	<u>Maureen Kane</u> , Retinoid homeostasis and the tissue microenvironment. <u>Soichi Kojima</u> , Molecular mechanism by which acyclic retinoid selectively kills MYCN-positive liver cancer stem cells. <u>Paola Marcato (Short Talk)</u> , Profiling of the transcriptional response to all-trans retinoic acid in breast cancer cells reveals RARE-independent mechanisms of gene expression and strategies for precision medicine. FASEB Sponsored Coffee Break <u>Li-Na Wei</u> , Crabp1 mediates non-canonical activity of retinoic acid in maintaining neural stem cell pool and regulating tumor growth. <u>Xiaokun Zhang</u> , Nongenomic regulation of cell survival and proliferation by RXRalpha. <u>Helen Everts (Short Talk)</u> , Differential localization of retinoid metabolons during the progression to cutaneous squamous cell carcinoma.
8:15 pm – 8:30 pm	FASEB Sponsored Coffee Break	

Thursday, June 14th, 2018

Time	Title/Topic Event	
7:30 a.m. – 9:00 a.m.	BREAKFAST	
9:00 a.m. – 12:00 p.m.	<u>Session 7:</u> Retinoids molecular therapeutics 1 Chair: H. Gronemeyer	<u>Hinrich Gronemeyer</u> , Systems biology of retinoid-induced neurogenesis <u>Valeriya Malysheva</u> , Dynamic chromatin architecture directs neuronal cell fate acquisition <u>Carl Wagner (Short Talk)</u> , Synthesis and Biological Evaluation of Hydroxylated Derivatives of Bexarotene and Analogs of NEt-TMN—A Potent Retinoid X Receptor (RXR) Agonist. FASEB Sponsored Coffee Break <u>Laszlo Nagy</u> , The epigenomic roles of RXR heterodimers in macrophage polarization in cancer and tissue regeneration. <u>Karen Liby</u> , Developing new rexinoids for cancer and other inflammatory diseases. <u>Matthew Renfrow (Short Talk)</u> , Identifying Dynamical Profiles of Retinoid X Receptor Agonists by use of Hydrogen Deuterium Exchange Mass Spectrometry.
10:15 am – 10:35 am	FASEB Sponsored Coffee Break	
12:00 p.m. – 1:00 p.m.	LUNCH and “Meet the Speaker” round table for trainees.	
1:00 p.m. – 2 p.m.	BUSINESS MEETING	
4:00 p.m. – 6:00 p.m.	Poster Session 2B	POSTER AWARDS: Chair: Maureen Kane
6:00 p.m. – 7:00 p.m.	DINNER with Mentor: “How to prepare a strong job application for industry/academia/etc”.	
7:00 p.m. – 9:45 p.m.	<u>Session 8:</u>	<u>Eduardo Farias</u> , Targeted epigenetic reprogramming reversion

	<p>Retinoids molecular therapeutics -2 <i>Chair: Ethan Dmitrovsky</i></p>	<p>of tumor progression in triple negative breast cancer models involves activation of retinoic acid receptor alpha. <u>Martin Sanders</u>, Update on clinical development of the selective RXR agonist compound IRX4204. <u>Nadine Darwiche (Short Talk)</u>, From adamantyl retinoids to DNA polymerase alpha inhibition. FASEB Sponsored Coffee Break <u>Liu Xi</u>, Ubiquitin-Specific Peptidase 18 (USP18) Stabilizes the Regulator of Thermogenesis Uncoupling Protein-1 (UCP-1) and Promotes Fatty Acid Oxidation in Lung Cancers. <u>Ethan Dmitrovsky</u>, Using Retinoids as Discovery Tools in Cancer Biology. <u>Jaume Amengual (Short Talk)</u>, β-carotene conversion to vitamin A delays atherosclerosis progression in mice.</p>
8:15 pm – 8:30 pm	<i>FASEB Sponsored Coffee Break</i>	

Friday, June 15th, 2018

Time	Title/Topic Event	
7:30 a.m. – 9:00 a.m.	BREAKFAST	
9:00 a.m. – 11:30 a.m.	<p><u>Session 9:</u> Retinoids and Development <i>Chair: Alexander Moise</i></p>	<p><u>Alexander Moise</u>, Retinoic acid signaling plays critical roles in the late development of the heart. <u>Felicia Chen</u>, Disruption of retinoic acid signaling results in sacculation defect during lung development. <u>Lisa Sandell (Short Talk)</u>, RDH10-mediated retinol metabolism and RARα-mediated retinoic acid signaling are required to initiate development of submandibular salivary glands. FASEB Sponsored Coffee Break <u>Yiannis Koutalos</u>, Mechanisms for pigment regeneration in cone photoreceptors. <u>Wojciech Krezel</u>, Role of Rαr signaling in control of neuroinflammation: relevance for research into depression.</p>
10:15 am – 10:30 am	<i>FASEB Sponsored Coffee Break</i>	
12:00 p.m.	LUNCH to Go and DEPARTURES	

END OF CONFERENCE

For additional information contact:
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