

Nicolas G. Bazan Invited Lectures on Elovonoids in 2019

April 3-7, 2019 - DZNE Scientific Symposium and 10 year Celebration of the DZNE, Bonn, Germany

Title of Lecture: "Specific signals that remodel retinal transcriptome for cell survival upon Amyloid-beta peptide oligomer damage: Elovonoids as molecular guardians"

April 28- May 2, 2019 – ARVO, Association for Research in Vision and Ophthalmology, Vancouver, BC, Canada

Co-Moderator Session: Lipids in Diverse function and pathologies of the eye – SIG (Special Interest Group).

Title of Lecture: "Elovonoids are mediators of the omega-3 lipidome and target transcriptome architecture to sustain photoreceptor function"

and

Session: Lipids and Eye Diseases – Where should we focus? – SIG (Special Interest Group)

Title of Lecture: "Elovonoids act as epigenetic regulators in cell survival/senescence decisions in photoreceptors"

August 22, 2019 – Unity Biotechnology meeting, San Francisco, CA

Title of Lectures - "Brain resiliency in aging and at the onset of damage and of neurodegenerative diseases"

September 20-21, 2019 - VII. International DOG, (Deutsche Ophthalmologische Gesellschaft - German Ophthalmological Society) - Symposium on Age-Related Macular Degeneration. Understanding Pathogenic Mechanisms of Disease, Baden-Baden, Germany

Distinguished Lecturer – "Elovonoids are novel photoreceptor survival signals relevant to AMD"

September 26, 2019 – Henry Stewart Talks

Title of Talk – Part 1: Photoreceptor protection: Significance of docosanoids and elovonoids 1: Docosahexaenoic acid (DHA) [Video file]. In *The Biomedical & Life Sciences Collection. Henry Stewart Talks*. Retrieved October 2, 2019, from <https://hstalks.com/bs/4033/>.

Title of Talk – Part 2: Photoreceptor protection: Significance of docosanoids and elovonoids 2: Bioactive derivatives of DHA [Video file]. In *The Biomedical & Life Sciences Collection. Henry Stewart Talks*. Retrieved October 2, 2019, from <https://hstalks.com/bs/4044/>.

September 29-October 1, 2019 – The 14th Fatty Acids and Cell Signaling FACS Conference: Fatty Acid Metabolism and Oxidation, Austin, TX

Keynote Lecture – "Elovonoid bioactivity: Significance to Alzheimer's, traumatic brain injury and Age-related macular degeneration"

October 19-23, 2019 – Society for Neuroscience, Chicago, IL

Oral Presentation: Nanosymposium

Title of Lecture – “The Novel class of homeostatic lipid mediators, eovanoids, provide high-grade neuroprotection in experimental traumatic brain injury”

Abstract Control No.: 3431

Session Title: Traumatic Brain Injury

Location: McCormick Place, **Room S404**

Session Number: 541

Session Time: 10/22/2019 1:00:00 PM- 10/22/2019 4:15:00 PM

Presentation Number: 541.11

Presentation Time: 10/22/2019 3:30:00 PM- 10/22/2019 **3:45:00 PM**

*L. S. BELAYEV¹, A. OBENAU², E. HADDAD², L. KHOUTOROVA¹, V. A. CRUZ FLORES³, P. MUKHERJEE¹, N. A. PETASIS⁴, N. BAZAN¹;

October 20-23, 2019 – 16th International Conference on Bioactive Lipids in Cancer, Inflammation and Related Diseases, St. Peterburg, FL

Co-Moderator Session 3: Neuronal Inflammation

Title of Lecture – “Eovanoids counteract oligomeric b-amyloid toxicity, regulate transcriptome architecture and function: Significance to Alzheimer’s and Age-related macular degeneration”

Nicolas G. Bazan Invited Lectures on Eovanoids in 2020

February 27-29, 2020 – 15th Annual Conference on Brain Injury, “Best Practices in Brain Injury Medicine and Neurorehabilitation: Improving Outcomes through Interdisciplinary Collaboration, New Orleans, LA

Title of Lecture – “Eovanoids are neuroprotective in an experimental model of traumatic brain injury”

Abstract #63

February 27-29, 2020 – 15th Annual Conference on Brain Injury, “Best Practices in Brain Injury Medicine and Neurorehabilitation: Improving Outcomes through Interdisciplinary Collaboration, New Orleans, LA

Ludmila Belayev - Intranasal delivery of eovanoids, novel class of homeostatic lipid mediators, improves neurobehavioral functions and confers neuroprotection on rats with traumatic brain injury

Abstract #64

February 27-29, 2020 – 15th Annual Conference on Brain Injury, “Best Practices in Brain Injury Medicine and Neurorehabilitation: Improving Outcomes through Interdisciplinary Collaboration, New Orleans, LA

Surjyadipta Bhattacharjee - Eovanoids (ELV) protect telomere length shortening and restore of Telomerase activity upon exposure to uncompensated oxidative stress (UOS) or oligomeric amyloid β (Oa β) recapitulating brain injury.

Abstract #115

February 27-29, 2020 – 15th Annual Conference on Brain Injury, “Best Practices in Brain Injury Medicine and Neurorehabilitation: Improving Outcomes through Interdisciplinary Collaboration, New Orleans, LA

Alexander Ledet - Elovanoids reduce microtubule-associated protein tau (MAPT) missorting. Abstract #119

March 26, 2020 – Frontiers in Vision Research Lecture Series, Bascon Palmer Eye Institute, University of Miami Health System, Miami, FL

Title of Lecture – “Elovanoids: are molecular guardians of photoreceptor cell integrity: Significance for retinal degenerative diseases”

April 23, 2020 – Schepens/Mass Eye and Ear Institute Distinguished lecture, Harvard University, Boston, MA

Title of Lecture – “Elovanoids modulate the transcriptome of the retina: Significance for retinal degeneration”