**OSU - Neuroscience Research Institute**

**Peripheral Neuroimmune Interactions in**

**Health and Disease**

June 23, 2023 (8am – 6:30pm)

Blackwell Inn & Pfahl Conference Center

***Friday, June 23rd***

8:00 a.m. Registration & Continental Breakfast

8:30 a.m. **Opening Remarks – NRI Leadership**

*Benjamin Segal (OSU)*

*Erica Bell (OSU*)

**Plenary Speaker**

**Multimodal control of dendritic cell functions by nociceptors**

*Ulrich von Andrian (MIT & Harvard)*

Moderator: Jan Schwab (OSU)

9:30 a.m. Break

9:45 a.m. **Session I – Neuronal Control of Barrier Immunity**

Moderators: Gene Oltz (OSU) & Billur Akkaya (OSU)

**Neuronal regulation of barrier immunity and host**

**Defense**

*Isaac Chiu (Harvard) – Zoom* **[45min slot]**

**Spinal cord injury impairs lung immunity and causes bone marrow failure**

*Phillip Popovich (OSU)* **[20min slot]**

**The spinal cord injury-induced immune deficiency syndrome & neuroendocrine pathological reflex***Jan Schwab (OSU)* **[20min slot]**

11:10 a.m. **Session I Q&A**

11:30 a.m. Lunch/Networking

12:20 p.m. **Session II – Bi-directional Cross-talk Between the Enteric Nervous and Immune Systems**

Moderators: Nandini Acharya (OSU) & Andrew Sas (OSU)

**Enteric neurons in inflammation and host defense**

*Rocky Barilla (Harvard)* **[45min slot]**

**The extrinsic and intrinsic factors regulate vagal sensory neuron development and function**

*Lihua Ye (OSU)* **[20 min slot]**

***TBD***

*Fievos Christofi (OSU)* **[20 min slot]**

1:45 p.m. **Session II Q&A**

2:00 p.m. **Break**

2:10 p.m. **Session III – Cancer, Immunosurveillance, & Neuropathy**

Moderators: Nandini Acharya (OSU) & Leah Pyter (OSU)

**Pain neurons control cancer immunosurveillance**

*Sébastien Talbot (Queen’s University)* **[45min slot]**

**Neuron-macrophage interactions in models of chemotherapy-induced peripheral neuropathy**

*Grace Shin (Columbia)* **[20 min slot]**

**Neuroimmune interactions in adipose tissues and their relationship to metabolism and metabolic health**

*Kristy Townsend (OSU)* **[20 min slot]**

3:35 p.m. **Session III Q&A**

3:50 p.m. **Break**

4:00 p.m. **Flash Talks**

Moderators: TBD

**Chosen from Abstracts**

5:30 p.m. **Reception**

6:30 p.m. **Closing Remarks & Awards – Symposium Co-Organizers**

*Jan Schwab (OSU)*

*Nandini Acharya (OSU)*