



Cell Biology of Parkinson's Disease Genes

Omni New Haven Hotel at Yale
155 Temple Street
New Haven, CT
April 28 and 29, 2020

April 28

9:00	- 9:10 am	Introduction	
		KEYNOTE SPEAKER	
9:10	- 9:55 am	Richard Youle	<i>Role of mitophagy and inflammation in Parkinson's disease</i>
9:55	- 10:15 am	Coffee Break	
10:15	- 10:45 am	Heidi McBride	<i>Interrogating the mechanisms of mitochondrial function in innate and adaptive immunity: New roles for Parkinson's related proteins</i>
10:45	- 11:15 am	Tom Schwarz	<i>Neuronal PINK1: Triggering mitophagy far from the soma</i>
11:15	- 11:45 am	Wade Harper	<i>Understanding selective autophagy</i>
11:45	- 12:15 pm	Tim Ryan	<i>Metabolic costs & metabolic vulnerabilities in synapse function</i>
12:15	- 1:45 pm	Lunch at Omni	Poster Session
1:45	- 2:15 pm	Charleen Chu	<i>Branching out: New roles for PINK1 in dendritic growth/maintenance</i>
2:15	- 2:45 pm	Darren Moore	<i>Mechanisms of VPS35 and LRRK2 in the pathophysiology of Parkinson's disease</i>
2:45	- 3:15 pm	Pietro De Camilli	<i>Membrane lipid dynamics and Parkinson's disease</i>
3:15	- 3:45 pm	Tom Melia	<i>Mechanisms of membrane expansion during autophagosome formation</i>
3:45	- 4:05 pm	Coffee break	
4:05	- 4:35 pm	Patrik Verstreken	<i>The cellular basis of Parkinson's disease</i>
4:35	- 5:05 pm	Juan Bonifacino	<i>Alleviating accumulation of intracellular protein aggregates by enhancement of autophagy</i>
5:05	- 5:35 pm	Shawn Ferguson	<i>Parkinson's disease gene convergence on lysosomes</i>
5:35	- 5:45 pm	Randy Schekman	<i>ASAP: Building a network of PD basic scientists</i>

April 29

8:30	-	9:00 am	Thomas Gasser	<i>Genetics of Parkinson's disease, from genes to personalized treatments</i>
9:00	-	9:30 am	Sreeganga Chandra	<i>Synaptic vesicle endocytosis deficits and Parkinson's disease</i>
9:30	-	10:00 am	Mark Cookson	<i>Mutations in Auxilin cause parkinsonism via impaired clathrin-mediated trafficking at the Golgi apparatus and synapse</i>
10:00	-	10:20 am	Coffee Break	
10:20	-	10:50 am	Robert Edwards	<i>The Function of Synuclein</i>
10:50	-	11:20 am	Valina Dawson	<i>Alpha Synuclein neurodegeneration: intersection between familial and sporadic Parkinson's disease</i>
11:20	-	11:50 am	David Sulzer	<i>Autoimmune mechanisms associated with Parkinson's disease</i>
11:50	-	12:00 pm	Group Photo	
12:00	-	1:30 pm	Lunch at Omni	Poster Session
1:30	-	2:00 pm	Dario Alessi	<i>Nuts and bolts of the LRRK2 pathway</i>
2:00	-	2:30 pm	Samara Reck-Peterson	<i>A structural and mechanistic model for the regulation of LRRK2's interaction with microtubules</i>
2:30	-	3:00 pm	Suzanne Pfeffer	<i>Rab GTPase phosphorylation in familial Parkinson's Disease</i>
3:00	-	3:30 pm	Jie Shen	<i>LRRK2 and Parkinson's disease</i>
3:30	-	3:50 pm	Coffee Break	
3:50	-	4:20 pm	Dimitri Krainc	<i>The interplay of mitochondrial and lysosomal dysfunction in Parkinson's disease</i>
4:20	-	4:50 pm	Peter McPherson	<i>Non-canonical cellular entry of alpha-synuclein protofibrils</i>
4:50	-	5:20 pm	Erika Holzbaur	<i>Dynamics of autophagy and mitophagy in neurons</i>
5:20	-	5:30 pm	Closing Remarks	