

October 12, 2020

	Paris/Berlin	East Coast	Pacific Coast	
Session (1h40)	4pm	10am	7am	Introduction to the meeting (H. McFarland/John Cumming/E. Waubant/H. Weiner, 10mn)
			7:10	Evidence that altered microbiota contributes to onset and/or course of neurodegenerative diseases (Chair E. Waubant)
			7:10	MS including short MS overview (H. Tremlett, 15mn)
			7:25	PD including short PD overview (F. Scheperjans, 15mn)
			7:40	Alzheimer's Disease including short AD overview (H. Dodiya, 15mn)
			7:55	Challenges in human studies (H. Payami, 15mn)
			8:10	Discussion (moderator: A. Mangalam, 30mn)
Break (20mn)	5:40pm	11:40am	8:40am	
Session (1h40)	6pm	noon	9am	Are animal models useful in understanding the role of microbiota in neurodegenerative diseases? (Chair H. Weiner)
			9am	Gut Microbiota and MS: From Bathroom to Bench to Bedside (A. Mangalam, 12mn)
			9:12	Using gnotobiotic mouse models to understand the origins of MS (S. Baranzin, 12mn)
			9:24	Impact of YOUNG vs OLD microbiota on grey matter pathology in an animal model of MS (J. Gommerman, 12mn)
			9:36	Impact of gut microbes across animal models of amyloid disease (T. Sampson, 12mn)
			9:48	Use of animal model to investigate the role of intestinal microbiota in PD pathogenesis (A. Keshavarzian, 12mn)
			10am	<u>Discussion leaders (40mn):</u> Beth McCormick Lloyd Kasper
Break (20mn)	7:40pm	1:40pm	10:40am	

	Paris/Berlin	East Coast	Pacific Coast	
Session (1h40)	8pm	2pm	11am	How does the microbiota shape peripheral immunity in neurodegenerative disorders? (Chair: H. Weiner)
			11am	A gut microbial amyloid promotes a-synuclein aggregation and motor deficits in a mouse model of Parkinson's disease (S. Mazmanian, 12mn)
			11:12	Gut barrier integrity regulates the microbiota-T cell interaction in EAE (M. Falcone, 12mn)
			11:24	Multi-omics analyses of host-microbiome interactions in MS (L. Piccio, 12mn)
			11:36	Gut and diet in MS and PD: the clinician's perspective (A. Haghikia, 12mn)
			11:48	Gut microbiota-B cell crosstalk during neuroinflammation (AK. Proebstel, 12mn)
			12pm	Effects of soluble TNF inhibition on central and peripheral immune cell profiles and gut dysbiosis in 5xFAD mice induced by an obesogenic diet (M. Tansey 12mn)
			12:12	Discussion (lead H. Weiner, 28mn)
End	9:40pm	3:40pm	12:40pm	

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Session (1h30)	4pm	10am	7am	How does the microbiota affect CNS cell functions (microglia, myelination, BBB, neurogenesis)? (Chair: H. Weiner)
			7am	Control of CNS-resident cells by the commensal flora (F. Quintana, 12mn)
			7:12	Gut-to-Brain Transmission of Pathologic Alpha-Synuclein in Parkinson's Disease (T. Dawson, 12mn)
			7:24	Microbiome-mediated modulation of Ab amyloidosis and microglial phenotypes (S. Sisodia, 12mn)
			7:36	Microbiome-Gut-Brain Axis - Moving Toward Mechanisms across Lifespan (J. Cryan, 12mn)
			7:48	The microbiome and myelin biology: myelination & remyelination (C. McMurran, 12mn)
			8am	Discussion led by H. Weiner (30mn)
Break (20mn)	5:30pm	11:30am	8:30am	

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Session (1h30)	5:50pm	11:50am	8:50am	Infectious triggers (30mn): Biomimicry in neuromyelitis optica and MS (S. Zamvil, 10mn)
			9:00	Infectious triggers of PD (M. Desjardins, 10mn)
			9:10	Potential role of <i>B. fragilis</i> in neurodegenerative diseases (L. Cox, 10mn)
			9:20	Metabolites (30mn):
			9:20	Bile Acids in AD / Human Gut Co Metabolism in AD pathogenesis – Cholesterol metabolism and bile acids production (R. Kaddurah-Daouk, 10mn)
			9:30	Bile Acids/ Microbial Metabolites in MS (P. Bhargava, 10mn)
			9:40	Microbial metabolism in PD (E. Balskus, 10mn)
			9:50	Diet/metabolite (30mn)
			9:50	Dietary choline microbial metabolism in AD (N. Vogt, 10mn)
			10:00	The effect of dietary fiber and short-chain fatty acids in neurodegenerative disease (J. Debelius, 10mn)
			10:10	Intermittent fasting as a modulator of peripheral immunity and the gut microbiota in MS (L. Piccio, 10mn)
			10:20	Major Challenges and Finding Consensus (20mn) Open discussion, moderated by E. Waubant
Break (20mn)	7:40pm	1:40pm	10:40am	
Session (1h30)	8pm	2pm	11am	Technical challenges and interventions (Chair: E. Waubant)
			11:00	Technical pitfalls in microbiota studies (D. McDonald, 10mn)
			11:10	Interconnected highways - Gut microbiome genome metabolome and diet (R. Kaddurah-Daouk, 10mn)
			11:20	Discussion (10mn)
			11:30	Modifying the microbiome to treat neurodegenerative diseases Modulation of the microbiome by oral microRNAs and probiotic studies (H. Weiner, 15mn)
			11:45	Discussion (45mn)
End	9:30pm	3:30pm	12:30pm	END