UGOT/UCL course **Biomarkers for neurodegenerative diseases** 2021

	Monday 24/5	Tuesday 25/5	Wednesday 26/5	Thursday 27/5	Friday 28/5
8 – 9	**Course introduction** Michael Schöll and Ross Paterson	**Clinical presentations of neurodegenerative diseases** Jonathan Schott/UCL			
9 – 10	**Pathology of neurodegenerative diseases** Tammaryn Lashley/UCL	**Project preparation**	**Core CSF biomarkers** Henrik Zetterberg/ UGOT, UCL	**Other MRI biomarkers** Joana Pereira/ Karolinska Institutet	**Project presentations**
10 – 10.30	*Break*		*Break*		
10.30 – 11.30	**Genetics in neurodegenerative diseases** John Hardy/UCL		**Novel CSF biomarkers** Henrik Zetterberg, Ann Brinkmalm/ UGOT, UCL	**Biomarker panels for protein profiling** Lena Beckman/OLINK	
11.30 – 12.30	**Introduction to MRI** Nick Fox/UCL		**Blood-based biomarkers I** Kaj Blennow/UGOT	**Lipidomics and metabolomics** Jörg Hanrieder/UGOT	
12.30 – 13.30	*Lunch*				
13.30 – 14.30	**Introduction to PET** Mark Lubberink/ Uppsala University	**Structural MRI** Nick Fox/UCL	**Blood-based biomarkers II** Nicholas Ashton/ UGOT, KCL	**Concordance of fluid- and imaging-based biomarkers** Niklas Mattsson-Carlgren/ Lund University	**Project presentations**
14.30 – 15.30	**Immunochemical methods** Ulf Andreasson/UGOT	**PET imaging of synaptic and neurodegeneration** Stephen Carter/ University of Cambridge	**PET imaging of inflammation** Paul Edison/ Imperial College	**Current and future treatment strategies** Jeffrey Cummings/ University of Nevada	
15.30 – 16	*Break*			**Final Q&A**	
16 – 17	**Mass spectroscopy and proteomics** Johan Gobom/UGOT	**Tau PET imaging** William Jagust/ UC Berkeley	**Biomarker statistics** 1. *Fluid biomarker studies* 2. *Imaging biomarker studies* 3. *Longitudinal studies* Michael Donohue/USC		
17 – 18	**How biomarkers support drug development and clinical trials in neurodegenerative diseases** Kristin Wildsmith/ Genentech	**Amyloid PET imaging** William Jagust/ UC Berkeley		**Project preparation**	
18.15 –		**Career panel** Susan Landau (UC Berkeley), Melissa Murray (Mayo Clinic), Selina Wray (UCL)			