

Genomics for Dermatology 2020

25 - 27 November 2020

Virtual Course Agenda

Pre Course Material		
On demand		Gene expression and regulation - Analysis of the transcriptome Hans Hennies, University of Huddersfield, UK
On demand		Introduction to the Human Genome <i>Andrew Read, University of Manchester, UK</i>

Wednesday, 25 November 2020

11:00	12:15	Welcome and Introductions
11:00	11:15	<i>Scientific Programme Committee:</i> Sara Brown, University of Dundee, UK David Kelsell, Queen Mary University of London, UK Edel O'Toole, Queen Mary University of London, UK Neil Rajan, Newcastle University, UK
11:15	12:15	All Students - 2 minute introduction
12:15	12:45	Break

12:45	14:55	Session 1: Genetic Variation
		Introduction to the session <i>Chair: Sara Brown, University of Dundee, UK</i>
12:45	13:05	Variation in the Human Genome Sara Brown, University of Dundee, UK
13:05	13:25	Talk title TBC Sara Brown, University of Dundee, UK
13:25	13:35	Q&A <i>Chair: Sara Brown, University of Dundee, UK</i> <i>Moderator: David Kelsell, Queen Mary University of London, UK</i>
13:35	13:45	Break
13:45	14:05	Understanding psoriasis genetics and implications for patient management Catherine Smith, King's College London, UK
14:05	14:25	Talk title TBC (Workshop) Catherine Smith, King's College London, UK
14:25	14:55	Q&A - Catherine/Sara, Hans/Andrew <i>Chair: Sara Brown, University of Dundee, UK</i> <i>Moderator: David Kelsell, Queen Mary University of London, UK</i>
14:55	15:25	Break

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15:25	18:00	Session 2: Epigenetics
		Introduction to the session <i>Chair: Neil Rajan, Newcastle University, UK</i>
15:25	15:45	The expanding world of RNAs: microRNAs and beyond Enikő Sonkoly, Karolinska Institute, Sweden
15:45	16:05	Regulation of gene networks by microRNAs Enikő Sonkoly, Karolinska Institute, Sweden
16:05	16:15	Q&A <i>Chair: Neil Rajan, Newcastle University, UK</i> <i>Moderator: Edel O'Toole, Queen Mary University of London, UK</i>
16:15	16:35	Break
16:35	16:55	MicroRNAs in skin homeostasis and development Enikő Sonkoly, Karolinska Institute, Sweden
16:55	17:05	Q&A <i>Chair: Neil Rajan, Newcastle University, UK</i> <i>Moderator: Edel O'Toole, Queen Mary University of London, UK</i>
17:05	17:25	MicroRNAs in chronic inflammatory skin diseases Enikő Sonkoly, Karolinska Institute, Sweden
17:25	17:35	Q&A <i>Chair: Neil Rajan, Newcastle University, UK</i> <i>Moderator: Edel O'Toole, Queen Mary University of London, UK</i>
17:35	18:00	additional Q&A Enikő / Wrap up day 1 <i>Chair: Neil Rajan, Newcastle University, UK</i> <i>Moderator: Edel O'Toole, Queen Mary University of London, UK</i>

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Thursday, 26 November

10:00	12:10	Session 3: Developmental Biology
		Introduction to the session <i>Chair: Edel O'Toole, Queen Mary University of London, UK</i>
10:00	10:20	Mosaicism in Dermatology Veronica Kinsler, Great Ormond Street Hospital for Children, UK
10:20	10:40	Talk title TBC (Patient Cases) Veronica Kinsler, Great Ormond Street Hospital for Children, UK
10:40	10:50	Q&A <i>Chair: Edel O'Toole, Queen Mary University of London, UK</i> <i>Moderator: Sara Brown, University of Dundee, UK</i>
10:50	11:10	Break
11:10	11:30	Zebrafish models of mosaic syndromes and melanoma Liz Patton, University of Edinburgh, UK
11:30	11:50	Talk title TBC (Research) Liz Patton, University of Edinburgh, UK
11:50	12:00	Q&A <i>Chair: Edel O'Toole, Queen Mary University of London, UK</i> <i>Moderator: Sara Brown, University of Dundee, UK</i>
12:00	12:20	additional Q&A Veronica/Liz <i>Chair: Edel O'Toole, Queen Mary University of London, UK</i> <i>Moderator: Sara Brown, University of Dundee, UK</i>
12:20	13:10	Break
13:10	16:50	Session 4: Molecular Mechanism of Disease
		Introduction to the session <i>Chair: Neil Rajan, Newcastle University, UK</i>
13:10	13:30	Beyond gene discovery in monogenic skin disorders David Kelsell, Queen Mary University of London, UK
13:30	13:50	Talk title TBC (Research) David Kelsell, Queen Mary University of London, UK
13:50	14:00	Q&A <i>Chair: Neil Rajan, Newcastle University, UK</i> <i>Moderator: David Kelsell, Queen Mary University of London, UK</i>
14:00	14:20	Break
14:20	14:40	Genetic drivers in familial skin tumours Neil Rajan, Newcastle University, UK
14:40	15:00	Talk title TBC (Research) Neil Rajan, Newcastle University, UK
15:00	15:10	Q&A <i>Chair: Neil Rajan, Newcastle University, UK</i> <i>Moderator: David Kelsell, Queen Mary University of London, UK</i>
15:10	15:30	Break
15:30	15:50	Programming of immune responses in human skin Marta Polak, University of Southampton, UK
15:50	16:10	Talk title TBC (Workshop) Marta Polak, University of Southampton, UK
16:10	16:20	Q&A Marta <i>Chair: Neil Rajan, Newcastle University, UK</i> <i>Moderator: David Kelsell, Queen Mary University of London, UK</i>

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16:20	16:40	additional Q&A Marta, David, Neil / Wrap up day 2 <i>Chair: Neil Rajan, Newcastle University, UK</i> <i>Moderator: David Kelsell, Queen Mary University of London, UK</i>
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10:00		12:10		Session5: GWAS/Immunology
				Introduction to the session <i>Chair: Sara Brown, University of Dundee, UK</i>
10:00	10:20	Linking non-coding GWAS variants to impaired immune systems Gosia Trynka, Wellcome Sanger Institute, UK		
10:20	10:40	Talk title TBC Gosia Trynka, Wellcome Sanger Institute, UK		
10:40	10:50	Q&A <i>Chair: Sara Brown, University of Dundee, UK</i> <i>Moderator: Edel O'Toole, Queen Mary University of London, UK</i>		
10:50	11:10	Break		
11:10	11:30	Talk title TBC (Workshop) Gosia Trynka, Wellcome Sanger Institute, UK		
11:30	11:50	Talk title TBC (Workshop) Gosia Trynka, Wellcome Sanger Institute, UK		
11:50	12:10	Q&A Gosia <i>Chair: Sara Brown, University of Dundee, UK</i> <i>Moderator: Edel O'Toole, Queen Mary University of London, UK</i>		
12:10	12:30	Break		
12:30		13:05		Keynote
				Introduction to the session <i>Chair: Edel O'Toole, Queen Mary University of London, UK</i>
12:30	12:55	Exploring skin cell heterogeneity Fiona Watt, Kings College London, UK		
12:55	13:05	Q&A <i>Chair: Edel O'Toole, Queen Mary University of London, UK</i> <i>Moderator: Neil Rajan, Newcastle University</i>		
13:05	14:05	Break		
14:05		17:55		Session 6: Monogenic Skin Disease
				Introduction to the session <i>Chair: David Kelsell, Queen Mary University of London, UK</i>
14:05	14:25	Elucidation of monogenic hair disorders Regina Betz, University of Bonn, Germany		
14:25	14:45	Talk title TBC (Research) Regina Betz, University of Bonn, Germany		
15:05	15:15	Q&A <i>Chair: David Kelsell, Queen Mary University of London, UK</i> <i>Moderator: Sara Brown, University of Dundee, UK</i>		
15:15	15:35	Break		
15:35	15:55	Interesting cased from 100K Genomes Edel O'Toole, Queen Mary University of London, UK		
15:55	16:15	Talk title TBC (Research) Edel O'Toole, Queen Mary University of London, UK		
16:15	16:25	Q&A <i>Chair: David Kelsell, Queen Mary University of London, UK</i> <i>Moderator: Sara Brown, University of Dundee, UK</i>		

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16:25	16:45	Break
16:45	17:05	The 100,000 Genomes Project and its legacy in clinical genomics Ellen Thomas, Genomics England, UK
17:05	17:25	Talk title TBC Ellen Thomas, Genomics England, UK
17:25	17:35	Q&A <i>Chair: David Kelsell, Queen Mary University of London, UK</i> <i>Moderator: Sara Brown, University of Dundee, UK</i>
17:35	17:55	additional Q&A Regina/Edel/Ellen/ Wrap up day 3 <i>Chair: David Kelsell, Queen Mary University of London, UK</i> <i>Moderator: Sara Brown, University of Dundee, UK</i>
17:55	18:20	Quiz
		Sara Brown, University of Dundee, UK Neil Rajan, Newcastle University, UK
18:20	18:30	Closing remarks
		<i>Scientific Programme Committee:</i> Sara Brown, University of Dundee, UK David Kelsell, Queen Mary University of London, UK Edel O'Toole, Queen Mary University of London, UK Neil Rajan, Newcastle University, UK