



European  
Crohn's and Colitis  
Organisation

# Inflammatory Bowel Diseases

Y-ECCO Basic Science Workshop



Programme 2016-2021

[www.ecco-ibd.eu](http://www.ecco-ibd.eu)

# 7<sup>th</sup> Y-ECCO Basic Science Workshop

- Date:** Friday, July 2, 2021  
**Time:** 14:30-17:45  
**Organisation:** Y-ECCO  
**Recommended for:** Basic scientists, Physicians, Paediatricians, Surgeons, IBD Nurses  
 Other professions are kindly invited to register.  
**Registration:** ECCO Membership 2021 required  
 Online registration  
 Registration fee: 65 EUR (incl. 20% Austrian VAT)  
 50% reduction for Y-ECCO, Affiliate & IBD Nurse Members  
**CME accreditation:** 2 CME credits; prerequisite: completion of the online evaluation form

## Friday, July 2, 2021

14:30 - 14:35	<b>1: Introduction</b> C. Hedin, Stockholm, Sweden
<b>14:35 - 15:40</b>	<b>Session 1: Systems biology</b> C. Hedin, Stockholm, Sweden S. Schreiber, Kiel, Germany
14:35 - 14:55	<b>2: Generating complex data to unravel IBD</b> S. Schreiber, Kiel, Germany
14:55 - 15:10	<b>3: Abstract presentation: <math>\alpha\text{EB7}</math> positive <math>\gamma\delta</math> T cells are associated with mucosal healing in Ulcerative Colitis and have a homeostatic immunophenotype</b> R. Dart, London, United Kingdom
15:10 - 15:25	<b>4: Abstract presentation: Ulcerative Colitis associated single nucleotide polymorphisms found in transcription factor binding sites effect key pathogenesis pathways and facilitate patient stratification</b> D. Modos, Cambridge, United Kingdom
15:25 - 15:40	<b>5: Abstract presentation: Serum proteomics predict endoscopic remission in patients with Crohn's Disease</b> D. Alsoud, Leuven, Belgium
<b>15:40 - 15:50</b>	<b>Break</b>

<b>15:50 - 16:55</b>	<b>Session 2: Modelling IBD</b> M. Samaan, London, United Kingdom S. Zeissig, Dresden, Germany
15:50 - 16:10	<b>6: Models of IBD</b> S. Zeissig, Dresden, Germany
16:10 - 16:25	<b>7: Abstract presentation: Endoscopically injected allogeneic mesenchymal stromal cells alter the mucosal immune cell compartment in patients with Ulcerative Proctitis</b> L. Ouboter, Amsterdam, The Netherlands
16:25 - 16:40	<b>8: Abstract presentation: Effects of exposure to steroids on the PredictSURE whole blood prognostic assay in Inflammatory Bowel Disease</b> D. Alsoud, Leuven, Belgium
16:40 - 16:55	<b>9: Abstract presentation: Development of human embryonic stem cell-derived intestinal organoids for in vitro studies on intestinal inflammation and fibrosis</b> E. Filidou, Alexandroupolis, Greece
<b>16:55 - 17:05</b>	<b>Break</b>
<b>17:05 - 17:40</b>	<b>Session 3: Basic Science Reserach Fellowships</b> J. Burisch, Hvidovre, Denmark B. Verstockt, Leuven, Belgium G. Pellino, Aversa, Italy
17:05 - 17:25	<b>10: From bench to research group leader</b> R. Atreya, Erlangen, Germany
17:25 - 17:40	<b>11: ECCO Fellowship presentation: Targeting CD4+ T-cell plasticity in IBD</b> A. Machicote, Hamburg, Germany
<b>17:40 - 17:45</b>	<b>12: Closing remarks and Y-ECCO best abstract awards</b> J. Burisch, Hvidovre, Denmark

# 6<sup>th</sup> Y-ECCO Basic Science Workshop

**Date:** Wednesday, February 12, 2020  
**Time:** 12:30-16:30  
**Organisation:** Y-ECCO  
**Target audience:** Basic scientists, Physicians, Paediatricians, Surgeons, IBD Nurses  
**Registration:** ECCO Membership 2020 required. No onsite registration.  
**CME accreditation:** 3 CME Credits; prerequisite: completion of the online evaluation form.

## Wednesday, February 12, 2020

*Schubert 4-5, Level 1, Reed Messe Wien  
(as of January 15, 2020)*

12:30 - 12:35	<b>1: Introduction</b> C. Hedin, Stockholm, Sweden
12:35 - 13:50	<b>Session 1: Inflammation at the interface</b> D. Bettenworth, Münster, Germany H. Clevers, Utrecht, The Netherlands
12:35 - 13:05	<b>2: Gut Organoids: Patients' avatars in the lab</b> H. Clevers, Utrecht, The Netherlands
13:05 - 13:20	<b>3: Abstract presentation: Cytokine responsive transcriptional networks in Inflammatory Bowel Disease</b> A. Treveil, Norwich, United Kingdom
13:20 - 13:35	<b>4: Abstract presentation: Multi-'omics profiling in patients with quiescent Inflammatory Bowel Disease identifies biomarkers predicting relapse</b> N. Borren, Amsterdam, The Netherlands
13:35 - 13:50	<b>5: Abstract presentation: Integrated network analysis using patient-specific single nucleotide polymorphism profiles uncovers new pathways involved in Ulcerative Colitis pathogenesis</b> D. Modos, Cambridge, United Kingdom
13:50 - 14:15	<b>Meet the speakers break</b>

<b>14:15 - 15:30</b>	<b>Session 2: Basic science from bench to bedside</b> C. Hedin, Stockholm, Sweden C. Buskens, Amsterdam, The Netherlands
14:15 - 14:45	<b>6: Translational Basic Science Research</b> C. Buskens, Amsterdam, The Netherlands
14:45 - 15:00	<b>7: Abstract presentation: Macrophages in Crohn's Disease mesentery are predominantly inflammatory and produce calprotectin</b> M. Becker, Amsterdam, The Netherlands
15:00 - 15:15	<b>8: Abstract presentation: The molecular landscape of perianal fistula in Crohn's Disease: Opportunities for new therapeutic approaches</b> B. Verstockt, Leuven, Belgium
15:15 - 15:30	<b>9: Abstract presentation: Combination of vedolizumab with tacrolimus is more efficient in reducing intestinal inflammation than vedolizumab alone in the DSS-induced acute colitis mouse model</b> R. Manzini, Zurich, Switzerland
<b>15:30 - 16:15</b>	<b>Session 3: Basic Science Reserach Fellowships</b> M. Samaan, London, United Kingdom G. Pellino, Aversa, Italy
15:30 - 15:45	<b>10: The role of Nlrp9b, a novel NLR member in regulating experimental colitis</b> D. Zheng, Guangzhou, China
15:45 - 16:00	<b>11: PTPN2 and TiO2 in the pathogenesis of Inflammatory Bowel Disease</b> J. Conde Aranda, Zurich, Switzerland
16:00 - 16:15	<b>12: The role of fibroblasts in the pathogenesis of Crohn's Disease-associated fistulas and in mesenchymal stem cell therapy</b> R. Bruckner, Leiden, The Netherlands
<b>16:15 - 16:30</b>	<b>13: Closing remarks and Y-ECCO best abstract awards</b> D. Bettenworth, Münster, Germany

# 5<sup>th</sup> Y-ECCO Basic Science Workshop

<b>Date:</b>	Wednesday, March 6, 2019
<b>Time:</b>	12:30-16:30
<b>Organisation:</b>	Y-ECCO
<b>Target audience:</b>	Basic scientists, Physicians, Paediatricians, Surgeons, IBD Nurses
<b>Registration:</b>	For online registered participants only. No onsite registration.
<b>CME accreditation:</b>	3 CME Credits; prerequisite: completion of the online evaluation form.

## Wednesday, March 6, 2019

*Programme overview (as of February 1, 2019)*

*B3 M7-8, Hall B, Bella Center*

<b>12:30 - 12:35</b>	<b>1: Welcome &amp; Introduction</b> <b>Demystifying complex molecular techniques</b> Nuha Yassin, Birmingham, United Kingdom
<b>12:35 - 13:50</b>	<b>Session 1: Complex genetics and functional epigenetics</b> Charlotte Hedin, Stockholm, Sweden Dermot McGovern, Los Angeles, United States
12:35 - 13:05	<b>2: Complex genetics and functional epigenetics</b> Dermot McGovern, Los Angeles, United States
13:05 - 13:20	<b>3: Abstract 1: Distinct and common gene expression profiles between inflamed ileum and colon of newly diagnosed CD patients</b> Sare Verstockt, Leuven, Belgium Presented as P821 in the poster exhibition
13:20 - 13:35	<b>4: Abstract 2: Signalling and transcriptional network propagation uncovers novel Ulcerative Colitis pathogenetic pathways from single nucleotide polymorphisms</b> Dezso Modos, Cambridge, United Kingdom Presented as P011 in the poster exhibition
13:35 - 13:50	<b>5: Abstract 3: The regulatory landscape of intestinal cells – investigating the transcriptional effect of autophagy impairment observed in Crohn's disease using organoid and network biology approaches</b> Agatha Treveil, Norwich, United Kingdom Presented as DOP08 in DOP Session 1
<b>13:50 - 14:15</b>	<b>Meet the speakers break</b>
<b>14:15 - 15:30</b>	<b>Session 2: Understanding and integrating the 'omics' in IBD</b> Elaine Holmes, London, United Kingdom Nuha Yassin, Birmingham, United Kingdom
14:15 - 14:45	<b>6: Understanding and integrating the 'omics' in IBD</b> Elaine Holmes, London, United Kingdom
14:45 - 15:00	<b>7: Abstract 4: Supplementation with butyrate producing bacteria reduces tumor load in a mouse model of colitis associated cancer</b> Ana Montalbar-Arques, Zurich, Switzerland
15:00 - 15:15	<b>8: Abstract 5: Myenteric plexitis and post-operative recurrence in Crohn's disease: the role of enteric glial cells and ICAM-1</b> Catherine Le Berre, Nantes, France
15:15 - 15:30	<b>9: Abstract 6: The cytokine milieu in patients with Inflammatory Bowel Disease impacts the phenotype of mesenchymal stromal cells</b> Marieke Barnhoorn, Leiden, The Netherlands
<b>15:30 - 16:25</b>	<b>Session 3: Group session – Which methods should you choose?</b> Moderators: Dominik Bettenworth, Münster, Germany Johan Burisch, Copenhagen, Denmark Nik Sheng Ding, Melbourne, Australia Expert panel: Isabelle Cleynen, Leuven, Belgium Elaine Holmes, London, United Kingdom Dermot McGovern, Los Angeles, United States
<b>16:25 - 16:30</b>	<b>10: Closing remarks and Y-ECCO best abstract awards</b> Nuha Yassin, Birmingham, United Kingdom

# 4<sup>th</sup> Y-ECCO Basic Science Workshop

<b>Date:</b>	Wednesday, February 14, 2018
<b>Time:</b>	13:30-16:30
<b>Organisation:</b>	Y-ECCO
<b>Target audience:</b>	Basic scientists, Physicians, Paediatricians, Surgeons, IBD nurses
<b>Registration:</b>	For registered participants only. No onsite registration
<b>CME accreditation:</b>	2 CME credits, upon return of an evaluation form filled in online

## Wednesday, February 14, 2018

*Programme overview (as of January 15, 2018) –  
Schubert 4-5, Congress Centre, Messe Wien*

13:35 - 14:05	<b>2: Application and relevance of in vivo models in IBD</b> Claudio Fiocchi, Cleveland, United States
14:05 - 14:20	<b>3: Abstract 1: Consequences of an IL2RA locus duplication in a very early onset Inflammatory Bowel Disease patient</b> Linda Jooisse, Rotterdam, The Netherlands
14:20 - 14:35	<b>4: Abstract 2: Gene expression profiles in inflamed colonic biopsies from newly diagnosed Crohn's Disease and Ulcerative Colitis patients differ depending on the age at diagnosis</b> Sare Verstockt, Leuven, Belgium
14:35 - 14:50	<b>5: Abstract 3: TIGIT expression identifies circulating CD38 effector T cells with immune regulatory properties whose frequencies at diagnosis predict disease course of paediatric IBD patients</b> Linda Jooisse, Rotterdam, The Netherlands
<b>14:50 - 15:10</b>	<b>Meet the speakers break</b>
<b>15:10 - 16:25</b>	<b>Session 2: Ex vivo promises in IBD</b> Britta Siegmund, Berlin, Germany Nuha Yassin, London, United Kingdom
15:10 - 15:40	<b>6: Promises and perils of ex vivo models in IBD</b> Britta Siegmund, Berlin, Germany
15:40 - 15:55	<b>7: Abstract 4: Validation of a novel xenograft mouse model for intestinal fistulas</b> Ramona Bruckner, Zurich, Switzerland
15:55 - 16:10	<b>8: Abstract 5: Targeting fibroblast activation protein in Crohn's Disease intestinal strictures restores balanced deposition of extracellular matrix and reduces fibrosis</b> Marta Truffi, Milan, Italy
16:10 - 16:25	<b>9: Abstract 6: CCL20 and CCR6 on peripheral blood mononuclear cells (PBMC) in Inflammatory Bowel Disease (IBD): A more potent chemokine in Ulcerative Colitis?</b> Helene Skovdahl, Trondheim, Norway
<b>16:25 - 16:30</b>	<b>10: Closing remarks and Y-ECCO best abstract awards</b> Isabelle Cleynen, Leuven, Belgium

# 3<sup>rd</sup> Y-ECCO Basic Science Workshop

February 15, 2017

12:30-15:30

Y-ECCO

Physicians, Paediatricians, Surgeons, IBD nurses

For registered participants only. No onsite registration

3 CME credits, upon return of an evaluation form filled in online

## Wednesday, February 15, 2017

*Programme overview (as of January 16, 2017) –*

*Room 120+121, Level 1, CCIB*

12:30 - 12:35	<b>1: Introduction</b> Isabelle Cleynen, Leuven, Belgium
12:35 - 13:50	<b>Session 1: Genetics in IBD – moving beyond GWAS</b> Miles Parkes, Cambridge, United Kingdom Dominik Bettenworth, Münster, Germany
12:35 - 13:05	<b>2: State of the art</b> Miles Parkes, Cambridge, United Kingdom
13:05 - 13:20	<b>3: Abstract 1: Epigenetic alterations at diagnosis predict susceptibility, prognosis and treatment escalation in Inflammatory Bowel Disease - IBD Character</b> Alex Adams, Edinburgh, United Kingdom Please refer to P061 on page 75
13:20 - 13:35	<b>4: Abstract 2: Metagenomics and metabolomics of patients with Inflammatory Bowel Disease and their unaffected relatives</b> Maaïke Vancamelbeke, Leuven, Belgium Please refer to P774 on page 153
13:35 - 13:50	<b>5: Abstract 3: Complete metabonomic and microbiota profiling identifies biomarkers for anti-TNF therapy response</b> Nik Sheng Ding, Melbourne, Australia Please refer to P018 on page 70
13:50 - 14:10	<b>Meet the speakers break</b>
14:10 - 15:25	<b>Session 2: Identifying novel targets in IBD using patient samples</b> Jeff Barrett, Cambridge, United Kingdom Nik Sheng Ding, Melbourne, Australia
14:10 - 14:40	<b>6: State of the art</b> Jeff Barrett, Cambridge, United Kingdom
14:40 - 14:55	<b>7: Abstract 4: The genetic risk in ER stress and autophagy translates into quantifiable epithelial ER stress levels in IBD patients</b> Wiebe Vanhove, Leuven, Belgium
14:55 - 15:10	<b>8: Abstract 5: Molecular profiling of early Crohn's Disease reveals a prominent role for WNT5A</b> Sare Verstockt, Leuven, Belgium
15:10 - 15:25	<b>9: Abstract 6: Transcriptomic profiling of intestinal macrophages isolated from patients reveals a profound gene expression reprogramming underlying IBD pathogenesis"</b> Suranga Dharmasiri, Southampton, United Kingdom
15:25 - 15:30	<b>Closing remarks and Y-ECCO best abstract awards</b> Isabelle Cleynen, Leuven, Belgium



## 2<sup>nd</sup> Y-ECCO Basic Science Workshop

<b>Date:</b>	March 18, 2016
<b>Time:</b>	15:00-18:00
<b>Organisation:</b>	Y-ECCO
<b>Target audience:</b>	Physicians, Surgeons, Paediatricians, IBD nurses
<b>Registration:</b>	For registered participants only. No onsite registration.
<b>CME accreditation:</b>	3 CME credits, upon return of an evaluation form distributed during the workshop.

### Friday, March 18, 2016

*Programme overview (as of February 15, 2016)*

*Room E103, Level 1, RAI Amsterdam*

<i>Mouse models and microbiota in IBD</i>	
15:00 - 15:05	<b>1: Introduction</b> Isabelle Cleynen, Leuven, Belgium
15:05 - 16:20	<b>Session 1: Mouse models in IBD</b> Markus Neurath, Erlangen, Germany Pieter Hindryckx, Ghent, Belgium Nuha Yassin, London, United Kingdom
15:05 - 15:35	<b>2: Animal models in IBD: Pros and cons</b> Markus Neurath, Erlangen, Germany
15:35 - 15:50	<b>3: Abstract 1: Improvement of experimental mouse models in Inflammatory Bowel Diseases using flexible video endoscopic colon evaluation</b> Claire Gay, Besançon, France please refer to P071 on page 75
15:50 - 16:05	<b>4: Abstract 2: Revised roles of matrix metalloproteinase/MMP-9 in Inflammatory Bowel Diseases/IBD: From target to biomarker</b> Magali de Bruyn, Leuven, Belgium please refer to P038 on page 71
16:05 - 16:20	<b>5: Abstract 3: Modulation of T cell glycosylation and the control of intestinal inflammation</b> Ana Dias, Porto, Portugal please refer to P080 on page 75
16:20 - 16:40	<b>Meet the speakers break</b>

## Friday, March 18, 2016, cont.

*Programme overview (as of February 15, 2016)*

*Room E103, Level 1, RAI Amsterdam*

<b>16:40 - 18:00</b>	<b>Session 2: Studying the microbiota in IBD</b> Harry Sokol, Paris, France Timothy Raine, Cambridge, United Kingdom Sebastian Zeissig, Kiel, Germany	
	16:40 - 17:10	<b>6: Microbiota research in IBD: State-of-the-art</b> Harry Sokol, Paris, France
	17:10 - 17:25	<b>7: Abstract 4: Exploring MECHANISMS Of IBD traNsmission In Utero through the Microbiome: The MECONIUM Study Pilot</b> Joana Torres, New York, United States please refer to P735 on page 148
	17:25 - 17:40	<b>8: Abstract 5+6: Host-microbiome interactions in primary sclerosing cholangitis &amp; genetic risk for Crohn's Disease has little impact on intestinal microbiota composition</b> João Sabino, Leuven, Belgium please refer to P737 & P742 on page 148
	17:40 - 17:55	<b>9: Abstract 7: IBD phenotypes differ in gut microbiota composition</b> Lukas Bajer, Prague, Czech Republic please refer to P754 on page 150
<b>17:55 - 18:00</b>	<b>10: Closing remarks</b> Isabelle Cleynen, Leuven, Belgium	