

ecm2022



the
**extracellular
matrix**
pharmacology
congress

Scientific Program



Your expert speakers



RIK LORIES, BELGIUM

Rik Lories is Full Professor at KU Leuven. He is the Head of the Division of Rheumatology at the University Hospitals Leuven in Belgium.



GEORG SCHETT, GERMANY

Georg Schett is Professor of Internal Medicine and since 2006, head of the Department of Medicine 3 - Rheumatology and Immunology – of the Friedrich-Alexander University Erlangen-Nürnberg in Germany.



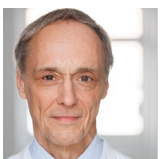
VALERIE WEAVER, US

Valerie M. Weaver is the Director of the Center for Bioengineering and Tissue Regeneration in the Department of Surgery, UCSF School of Medicine, US.



MINA J BISSELL, US

Mina J. Bissell is Distinguished Scientist, the highest rank bestowed at Lawrence Berkeley National Laboratory (LBNL), University of California, US.



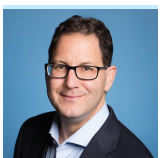
DETLEF SCHUPPAN, GERMANY

Detlef Schuppan is Director of the Institute of Translational Immunology and Director of the Clinical Center for Celiac, Small Intestinal, Metabolic and Autoimmune Diseases at Mainz University Medical Center, Germany.



ADAM PLATT, SWEDEN

Adam Platt is VP, Head of Translational Science & Experimental Medicine, BioPharmaceuticals R&D, Research and Early Development, Respiratory & Immunology at AstraZeneca, Sweden.



JEREMY SOKOLOVE, US

Jeremy Sokolove is Senior Vice President, Clinical Pharmacology and Experimental Medicine (CPEM) at GlaxoSmithKline, US.



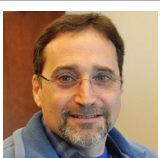
ARANTXA GONZALEZ, SPAIN

Arantxa González Miqueo is Program Director of Cardiovascular Diseases at CIMA Universidad de Navarra. She is also Associate Professor at the School of Medicine, Universidad de Navarra, Spain.



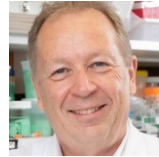
RAGHU KALLURI, US

Raghu Kalluri is Professor and Chairman at Department of Cancer Biology, The University of Texas MD Anderson Cancer Center, Houston, Texas, US.



DAVID GORDON, US

David Gordon earned his Ph.D. in pharmacology from SUNY Stony Brook. He serves as vice president of Cardiovascular and Fibrosis Discovery Biology at Bristol Myers Squibb, New Jersey, US.



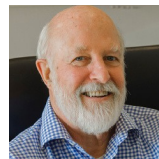
PHILIPP E. SCHERER, US

Philipp Scherer is Professor and Director at the Touchstone Diabetes Center at UT Southwestern Medical Center, Dallas, Texas, US.



MORTEN KARSDAL, DENMARK

Morten Karsdal serves as Adjunct Professor, Molecular Medicine at the Southern University of Denmark and is CEO of Nordic Bioscience, Copenhagen, Denmark.



RICHARD HYNES, US

Richard Hynes is Daniel K. Ludwig Professor for Cancer Research at Koch Institute for Integrative Cancer Research, Massachusetts Institute of Technology, Cambridge, US.



FLORIAN RIEDER, US

Florian Rieder is Vice Chair, Co-Director of the IBD section, Director of IBD research and Director of the Advanced IBI Vice-Chair, Department of Gastroenterology, Hepatology and Nutrition at the Cleveland Clinic, Ohio, US.



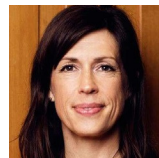
STEPHAN BAKKER, NETHERLANDS

Stephan Bakker is Professor of Internal Medicine, Faculty of Medical Sciences at University of Groningen, the Netherlands.



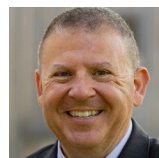
JEFFREY MINER, US

Jeffrey Miner is Professor of Medicine, Professor of Cell Biology and Physiology, Division of Nephrology at Washington University School of Medicine, St Louis, Missouri, US.



JANINE ERLER, DENMARK

Janine Erler is Group Leader at Biotech Research and Innovation Centre (BRIC), University of Copenhagen, Denmark.



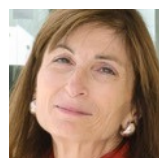
ERIC S. WHITE, US

Eric White is Senior Clinical Program Lead – Interstitial Lung Diseases at Boehringer Ingelheim Pharmaceuticals, Ridgefield, CT, US.



TOBY MAHER, US

Toby Maher is Professor of Medicine and Director of Interstitial Lung Disease at Keck School of Medicine, University of Southern California, Los Angeles, US.



SYLVIE RICARD-BLUM, FRANCE

Sylvie Ricard-Blum is Professor of Biochemistry, Head of Extracellular and Pericellular Supramolecular Assemblies at the University of Lyon, France.

Thursday, June 23

08:00 - 09:00	Industry-sponsored symposium	Vandsalen
09:15 - 10:30	Opening session Chairs: Dr. Raghu Kalluri and Dr. Morten Karsdal	Congress Hall
09:15 - 09:45	Chair's welcome and introduction Dr. Morten Karsdal, Denmark	
09:50 - 10:30	Plenary keynote, title: TBD Dr. Valerie Weaver, US	
10:30 - 11:00	Coffee break and exhibition	
11:00 - 12:30	Plenary session: The essential components of the ECM Chairs: Dr. Philipp E. Scherer and Dr. Richard Hynes	Congress Hall
11:00 - 11:25	Basement membranes and kidney diseases Dr. Jeffrey H. Miner, US	
11:25 - 11:50	Collagens: a networking family Dr. Sylvie Ricard-Blum, France	
11:50 - 12:03	The circadian endosome control of collagen fibrillogenesis, in health and disease Authors: Joan Chang , Adam Pickard, Jeremy Herrera, Richa Garva, Lewis Dingle, Jason Wong, Adam Reid, Cédric Zeltz, Rajamiyer Venkateswaran, Yinhui Lu, Sarah O'Keefe	
12:03 - 12:16	MMP1 and TGF-β1 cooperate to induce fibroblast senescence and promote tumor progression in large cell carcinoma of the lung Authors: Marta Gabasa, Evette Radisky, Paula Duch, Alejandro Llorente, Luca Roz, Derek Radisky, Jordi Alcaraz	
12:16 - 12:30	Strong alterations of collagen biosynthesis and fibrillogenesis in the dermis of recessive dystrophic epidermolysis bullosa (RDEB) mice Mélissa Dussoyer , Svenja Kleiser, Adeline Page, Frédéric Delolme, Dimitra Kiritsi, Sandrine Vadon-Le Goff, Patricia Rousselle, Alexander Nystrom, Catherine Moali	
12:30 - 14:15	Lunch, exhibition and poster session	
12:45 - 13:30	Industry-sponsored symposium Vandsalen View details in sponsor program	Industry-sponsored symposium Blomstersalen

Thursday, June 23

12:30 - 14:15	Lunch, exhibition and poster session (continued)	
13:00 - 14:15	Poster session 1	
13:15 - 14:15	Poster tour	Meeting point: Reception
14:15 - 15:45	Plenary session: The importance of ECM in cancer Chairs: Dr. Toby Maher and Valerie Weaver	Congress Hall
14:15 - 14:40	Functional diversity of carcinoma associated fibroblasts and collagen in pancreatic cancer Dr. Raghu Kalluri, US	
14:40 - 15:05	ECM remodeling during cancer progression Dr. Janine Erler, Denmark	
15:05 - 15:18	Targeting CAF mediated stromal remodeling to disrupt pro-metastatic and chemo-protective tumour microenvironments Author: Thomas Cox	
15:18 - 15:31	Novel mouse model for the specific knock-out of TGFBR11 in cancer-associated fibroblasts Authors: Emma Eichler , Sebastian Rosigkeit, Olena Molokanova, Sandrine Jansky, Dorothe Thies, Ernesto Bockamp, Detlef Schuppan	
15:31 - 15:45	Overcoming ECM inhibition of tumour immunity Author: Oliver Pearce	
15:45 - 16:15	Coffee break and exhibition	
16:15 - 17:15	Panel debate: The history of the ECM and what it means to me Chair: Dr. Morten Karsdal Panel: Dr. Valerie Weaver, Dr. Raghu Kalluri, Dr. Sylvie Richard-Blum and Dr. Jeffrey Miner	Congress Hall
17:30 - 18:30	Midsummer networking session	Court yard, access from main stage

Friday, June 24

08:00 - 08:45	Meet the professor and Danish pastry	Meeting point 1 and 2
08:00 - 08:45	Industry-sponsored symposium Blomstersalen	Industry-sponsored symposium Vandsalen
09:00 - 10:30	Plenary session: The importance of ECM in lung disease Chairs: Dr. Florian Rieder and Dr. Arantxa González Miqueo	Congress Hall
09:00 - 09:25	Title: TBD Dr. Toby Maher, US	
09:25 - 09:50	Antifibrotic effects on ECM: lessons learned in lung fibrosis Dr. Eric White, US	
09:50 - 10:03	Characterisation and identification of oxidised extracellular matrix proteins and their biological function in the lung Authors: Patrick He , Michael Papanicolaou, Sandra Rutting, Alaina Ammit, Dia Xenaki, David Van Reyk, Brian Oliver	
10:03 - 10:16	Remodeling of lung interstitial matrix and basement membrane is related to idiopathic pulmonary fibrosis progression and mortality Authors: Jannie M. B. Sand , Diana Leeming, Peder Frederiksen, Philip Molyneaux, Iain Stewart, Hernan Fainberg, Morten Karsdal, Toby Maher, R Gisli Jenkins	
10:16 - 10:30	ECM proteomics analysis and comparison of lung tissue/cell samples from IPF and NSCLC Authors: Yupeng (David) He, Xue Wang, Liang Jin, Jan Schejbal, Baoliang Cui, Annette Schwartz Serman, Robert Dunstan, Chenqi Hu, Lisa Hazelwood, Jozsef Karman, Yu Tian	
10:30 - 11:00	Coffee break and exhibition	
11:00 - 13:00	Plenary session: Cardiorenal axis and the ECM Chairs: Dr. Rik Lories and Dr. Jeffrey Miner	Congress Hall
11:00 - 11:25	Circulating concentrations of fibrosis biomarkers and progression of renal and cardiovascular disease in longitudinal general population and patient cohorts Dr. Stephan Bakker, the Netherlands	
11:25 - 11:50	Myocardial fibrosis in chronic heart failure: Beyond increased collagen deposition Dr. Arantxa González Miqueo, Spain	
11:50 - 12:15	Collagen Propeptide 6: A crystal ball for heart failure prognostication, and a potential target for a therapeutic silver bullet Dr. David Gordon, US	

Friday, June 24

11:00 - 13:00	Plenary session: Cardiorenal axis and the ECM (continued) Congress Hall	
12:15 - 12:30	Macrophage proteolytic secretome contributes to collagen remodeling in renal fibrosis Authors: Paloma Ruiz-Blazquez, Valeria Pistorio, Maria Fernandez-Fernandez, Susana Núñez, M. Carmen Garcia-Ruiz, José Fernandez-Checa, Anna Mole	
12:30 - 12:45	High collagen type VI formation is a strong independent predictor of poor outcomes in heart failure with preserved ejection fraction: the TOPCAT trial Authors: Julio Chirinos , Lei Zhao, Federica Genovese, Mary Ellen Cvijic, Michael Basso, Alexander Reese-Petersen, Melissa Yarde, Zhaoqing Wang, Dietmar Seiffert, Morten Karsdal, David Gordon, Thomas Cappola	
12:45 - 13:00	Extracellular matrix remodeling associated with atherosclerotic plaque destabilization studied by proteomics Authors: Lasse Lorentzen , Karin Yeung, Jonas Eiberg, Michael Davies	
13:00 - 14:45	Lunch, exhibition and poster session	
13:15 - 14:15	Industry-sponsored symposium Vandsalen View details in sponsor program	Industry-sponsored symposium Blomstersalen
13:15 - 14:45	Poster session 2	
13:30 - 14:30	Poster tour	Meeting point: Reception
14:45- 16:45	Plenary session: Pharmacological targets and modulation of the ECM Congress Hall Chairs: Dr. Eric White and Dr. Detlef Schuppan	
14:45 - 15:10	Tissue damage in chronic joint diseases, a complex interplay between inflammation and stromal cells in mechanopathologies Dr. Rik Lories, Belgium	
15:10 - 15:35	Title: TBD Dr. Adam Platt, Sweden	
15:35 - 16:00	Title: TBD Dr. Jeremy Sokolove, US	

Friday, June 24

14:45- 16:45	Plenary session: Pharmacological targets and modulation of the ECM (continued)	Congress Hall
16:00 - 16:15	Effect of pegbelfermin on noninvasive biomarkers of NASH and fibrosis: a post hoc analysis of the FALCON 1 trial Authors: Anne Minnich , Elizabeth Brown, Jennifer Jones, George Green, Shuyan Du, John Schwartz, Morten Karsdal, Diana Leeming, Giovanni Cizza, Edgar Charles	
16:15 - 16:30	Nanobodies targeting the cub domains of procollagen c-proteinase enhancer-1 (PCPE-1) efficiently slow down the proteolytic maturation of fibrillar procollagens Authors: Priscillia Lagoutte, Jean-Marie Bourhis, Virginie Gueguen - Chaignon, Natacha Mariano, David Vandroux, Catherine Moali, Sandrine Vadon-Le Goff	
16:30 - 16:45	Manipulating fibronectin suppresses fibrosis and cancer growth Author: Inaam Nakchband	
16:45 - 17:00	Short break	
17:00 - 17:30	Keynote session Chair Dr. Florian Rieder and Dr. Morten Karsdal Targeted treatment of liver fibrosis and NASH Dr. Detlef Schuppan, Germany	Congress Hall
18:30 - 24:00	Congress dinner <i>Separate ticket needed</i>	Meeting Point: Reception

Saturday, June 25

08:00 - 08:45	Meet the professor and Danish pastry	Meeting point 1 and 2
09:00 - 10:30	Plenary session: ECM signaling Chairs: Dr. Jeff Miner and Dr. Sylvie Ricard-Blum	Congress Hall
09:00 - 09:25	Endotrophin – the new kid on the block for fibrosis Dr. Philipp Scherer, US	
09:25 - 09:50	Collagens – the signals of the ECM are talking to us – should we listen? Dr. Morten Karsdal, Denmark	
09:50 - 10:03	Pentastatin, a matrikine of collagen IV alpha 5, is a potent regulator of endothelial dysfunction in pulmonary hypertension Authors: Ayse Ceren Mutgan, Katharina Jandl, Leigh Marsh, Julia Hoffmann, Panja Bohm, Konrad Hoetzenecker, Andrea Olschewski, Horst Olschewski, Akos Heinemann, Malgorzata Wygrecka, Grazyna Kwapiszewska	
10:03 - 10:16	ADAM17 mediated EGFR ligand shedding directs macrophage induced cancer cell invasion Authors: Sebastian Peter Gnosa, Laia Puig Blasco, Krzysztof Bartlomiej Piotrowski, Marie Freiberg, Simonas Savickas, Daniel Hagboel Madsen, Ulrich auf dem Keller, Pauliina Kronqvist, <u>Marie Kveiborg</u>	
10:16 - 10:30	Collagen matrices derived from cancer-associated fibroblasts have pro-fibrotic signaling capacity Authors: <u>Neel Nissen</u> , Morten Karsdal, Nicholas Willumsen	
10:30 - 11:00	Coffee break and exhibition	
11:00 - 12:30	Panel debate: Should we treat the ECM or the cells? Chair: Dr. Morten Karsdal Panel: Dr. Valerie Weaver, Dr. Raghu Kalluri, Dr. Florian Rieder, Dr. Detlef Schuppan, Dr. Eric White and Dr. Richard Hynes	Congress Hall

Saturday, June 25

12:30 - 14:00	Lunch and exhibition	
12:45 - 13:45	Concurrent session: Workshop - Models to study ECM pharmacology Chairs: TBD	Blomstersalen
12:45 - 12:55	Human precision cut heart slices: investigating mechanisms of cardiac fibrosis and testing novel therapeutics <u>Hannah Paish</u> , Sandra Murphy, Laura Sabater, Rachel Burgoyne, Ben Barksby, Derel Mann, Lee Borthwick	
12:55 - 13:05	Fibrotic lung derived ECM hydrogels drive further fibrotic alterations by lung fibroblasts <u>Mehmet Nizamoglu</u> , Frederique Alleblas, Taco Koster, Judith M. Vonk, Matthew J. Thomas, Eric S. White, Wim Timens, Carolin K. Koss, Karim C. El Kasmi, Barbro N. Melgert, Irene H. Heijink, Janette K. Burgess	
13:05 - 13:15	Examining collagen dynamics in sub-retinal fibrosis using collagen-1-YFP reporter mice <u>Emma Ozaki</u> , Said Atkas, Tai-Hsien Ou Yang, Mario Pepe, Peter Westenskow, Derrick Feenstra, Sarah Doyle	
13:15 - 13:25	Importance of microenvironment in cerebral in vitro models for phenotypic screening <u>Veronique De Conto</u> , Zied Souguir, Elodie Vandehaute, Vincent Berezowski, Nathalie Maubon	
13:25 - 13:45	Discussion	
12:45 - 13:45	Concurrent session: rapid oral lunch presentations - ECM pharmacology Chair: Jeremy Sokolove	Vandsalen
12:45 - 12:55	Intravital imaging technology guides FAK-mediated priming in pancreatic cancer precision medicine according to merlin status Authors: <u>Kendelle Murphy</u> , Daniel Reed, Claire Vennin, Yingxiao Wang, Owen Sansom, Jennifer Morton, Thomas Cox, Marina Majic, Paul Timpson, David Herrmann	
12:55 - 13:05	LPA1 antagonist BMS-986020 changes collagen dynamics and exerts antifibrotic effects in vitro and in patients with idiopathic pulmonary fibrosis Authors: <u>Anne Minnich</u> , Diana Julie Leeming, Shuyan Du, Morten Karsdal, Aryeh Fischer, Yi Luo, Jannie Marie Bülow Sand	
13:05 - 13:15	Lysyl oxidase inhibition ameliorates fibrosis to improve organ function Authors: <u>Lara Perryman</u> , Yimin Yao, Alison Findlay, Wolfgang Jarolimek	

Saturday, June 25

<p>12:45 - 13:45</p> <p>13:15 - 13:25</p> <p>13:25 - 13:35</p> <p>13:35 - 13:45</p>	<p>Concurrent session - rapid oral lunch presentations: ECM pharmacology (continued)</p> <p>Autotaxin is a novel target at the tumor-stroma-immune interface to improve therapy outcome in fibrotic and immune desert tumor types Authors: Giusy Di Conza, Marcel Deken, Ragini Medhi, Lauren Maggs, Karolina Niewola, Lars van der Veen, Pritom Shah, Amy Fraser, Michael Lahn, Zoe Johnson</p> <p>Overcoming tumor immune-exclusion by DDR1 blockade with PPTH-101 Authors: Thomas Schürpf, Laura Dillon, Travis Clifton, Mark Bittinger, Xinwei Sher, Katherine Hill, Rong Li, Zhiqiang An, Tamas Oravecz, Olga Granaturova, Laurent Audoly</p> <p>RXC008 suppresses fibrosis in a DSS model as measured by histopathology and magnetic resonance imaging Authors: Debby Laukens, Simon Bos, Adriana Gambardella, Cliff Jones, Helen McKeever, Diana Bishop, Jane Robertson, Andrew Belfield, Peter Bunyard</p>	<p>Vandsalen</p>
<p>14:00 - 15:30</p> <p>14:00 - 14:25</p> <p>14:25 - 14:50</p> <p>14:50 - 15:03</p> <p>15:03 - 15:16</p> <p>15:16 - 15:30</p>	<p>Plenary session: Tissue destruction in inflammatory diseases Chair: Dr. Stephan Bakker</p> <p>Pathogenesis and future clinical trial endpoints for intestinal fibrosis Dr. Florian Rieder, US</p> <p>Tissue destruction in rheumatoid arthritis Dr. Georg Schett, Germany</p> <p>Dermal α5β1 myofibroblasts orchestrate skin wound repair via β1 integrin and independent of type I collagen production Authors: Kathleen McAndrews, Toru Miyake, Ehsan Ehsanipour, Patience Kelly, Lisa Becker, Daniel McGrail, Hikaru Sugimoto, Valerie LeBleu, Yejing Ge, Raghu Kalluri</p> <p>Effects of R399E, a recombinant and mutant form of GDF5 on the secretome of articular cartilage and meniscal explants of osteoarthritis patients in vitro Authors: Eiva Bernotiene, Jaroslav Denkovskij, Daiva Bironaite, Ilona Uzeliene, Edvardas Bagdonas, Kerstin Kleinschmidt-Doerr, Giedrius Kvederas, Ali Mobasher</p> <p>Urinary collagen peptides as mirrors of specific pathophysiology Authors: Justyna Siwy, Agnieszka Latosinska, Emmanouil Mavrogeorgis, Maria Frantzi, Joachim Beige, Harald Mischak</p>	<p>Congress Hall</p>

Saturday, June 25

15:30 - 15:45	Short break	
15:45 - 17:00	Close of congress Chairs: Dr. Janine Erler and Dr. Valerie Weaver	Congress Hall
15:45 - 16:00	Award ceremony	
16:00 - 16:30	Plenary keynote: Extracellular Matrix: Complexity, impact and applications Dr. Richard Hynes, US	
16:30 - 17:00	Architecture is dominant over genotype in both normal and malignant cells: Studies with breast cells in 3D Dr. Mina Bissell, US	

23 - 25 June 2022

Tivoli Congress Center

Copenhagen, Denmark

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