

# ecm2022



the  
**extracellular  
matrix**  
pharmacology  
congress

## Scientific Program

# Your expert speakers



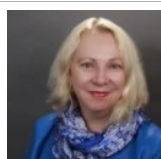
**RIK LORIES, BELGIUM**

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



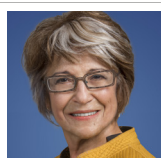
**GEORG SCHETT, GERMANY**

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.



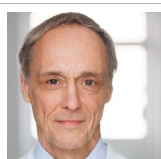
**VALERIE WEAVER, US**

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



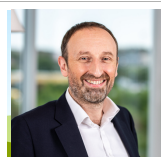
**MINA J. BISSELL, US**

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



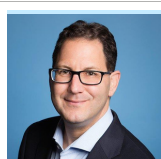
**DETLEF SCHUPPAN, GERMANY**

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.



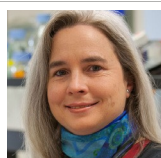
**ADAM PLATT, SWEDEN**

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.



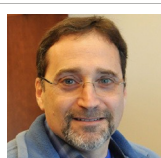
**ARANTXA GONZALEZ, SPAIN**

Arantxa González Miquel 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.



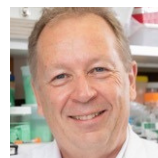
**RAGHU KALLURI, US**

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.



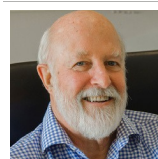
**PHILIPP E. SCHERER, US**

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.



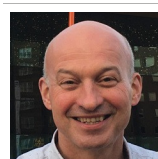
**RICHARD HYNES, US**

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



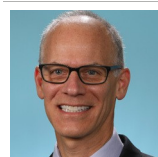
**FLORIAN RIEDER, US**

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



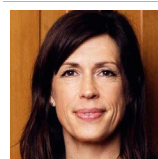
**STEPHAN BAKKER, NETHERLANDS**

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



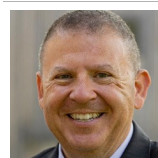
**JEFFREY MINER, US**

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.



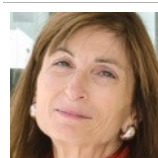
**ERIC S. WHITE, US**

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	<b>Industry-sponsored symposium</b>		Vandsalen
09:15 - 10:30	<b>Opening session</b> Chairs: Dr. Raghu Kalluri and Dr. Morten Karsdal		Congress Hall
09:15 - 09:45	<b>Chair's welcome and introduction</b> Dr. Morten Karsdal, Denmark		
09:50 - 10:30	<b>Plenary keynote, title: TBD</b> Dr. Valerie Weaver, US		
10:30 - 11:00	<b>Coffee break and exhibition</b>		
11:00 - 12:30	<b>Plenary session: The essential components of the ECM</b> Chairs: Dr. Philipp E. Scherer and Dr. Richard Hynes		Congress Hall
11:00 - 11:25	<b>Basement membranes and kidney diseases</b> Dr. Jeffrey H. Miner, US		
11:25 - 11:50	<b>Collagens: a networking family</b> Dr. Sylvie Ricard-Blum, France		
11:50 - 12:03	<b>The circadian endosome control of collagen fibrillogenesis, in health and disease</b> Authors: <u>Joan Chang</u> , 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	<b>ADAM17 mediated EGFR ligand shedding directs macrophage induced cancer cell invasion</b> Authors: Sebastian Peter Gnosa, Laia Puig Blasco, Krzysztof Bartłomiej Piotrowski, Marie Freiberg, Simonas Savickas, Daniel Hagboel Madsen, Ulrich auf dem Keller, Pauliina Kronqvist, <u>Marie Kveiborg</u>		
12:16 - 12:30	<b>MMP1 and TGF-<math>\beta</math>1 cooperate to induce fibroblast senescence and promote tumor progression in large cell carcinoma of the lung</b> Authors: Marta Gabasa, Evette Radisky, Paula Duch, Alejandro Llorente, Luca Roz, Derek Radisky, <u>Jordi Alcaraz</u>		
12:30 - 14:15	<b>Lunch, exhibition and poster session</b>		
12:45 - 13:30	<b>Industry-sponsored symposium</b> Vandsalen <a href="#">View details in sponsor program</a>	<b>Industry-sponsored symposium</b> Blomstersalen	

Thursday, June 23

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

Friday, June 24

<b>08:00 - 08:45</b>	<b>Meet the professor and Danish pastry</b>		Meeting point 1 and 2
<b>08:00 - 08:45</b>	<b>Industry-sponsored symposium</b> Blomstersalen	<b>Industry-sponsored symposium</b> Vandsalen	
<b>09:00 - 10:30</b>	<b>Plenary session: The importance of ECM in lung disease</b>		Congress Hall
	Chairs: Dr. Florian Rieder and Dr. Arantxa González Miqueo		
<b>09:00 - 09:25</b>	<b>Title: TBD</b> Dr. Toby Maher, US		
<b>09:25 - 09:50</b>	<b>Antifibrotic effects on ECM: lessons learned in lung fibrosis</b> Dr. Eric White, US		
<b>09:50 - 10:03</b>	<b>Characterisation and identification of oxidised extracellular matrix proteins and their biological function in the lung</b> Authors: <a href="#">Patrick He</a> , Michael Papanicolaou, Sandra Rutting, Alaina Ammit, Dia Xenaki, David Van Reyk, Brian Oliver		
<b>10:03 - 10:16</b>	<b>Remodeling of lung interstitial matrix and basement membrane is related to idiopathic pulmonary fibrosis progression and mortality</b> Authors: <a href="#">Jannie M. B. Sand</a> , Diana Leeming, Peder Frederiksen, Philip Molyneaux, Iain Stewart, Hernan Fainberg, Morten Karsdal, Toby Maher, R Gisli Jenkins		
<b>10:30 - 11:00</b>	<b>Coffee break and exhibition</b>		
<b>11:00 - 12:45</b>	<b>Plenary session: Cardiorenal axis and the ECM</b>		Congress Hall
	Chairs: Dr. Rik Lories and Dr. Jeffrey Miner		
<b>11:00 - 11:25</b>	<b>Circulating concentrations of fibrosis biomarkers and progression of renal and cardiovascular disease in longitudinal general population and patient cohorts</b> Dr. Stephan Bakker, the Netherlands		
<b>11:25 - 11:50</b>	<b>Myocardial fibrosis in chronic heart failure: Beyond increased collagen deposition</b> Dr. Arantxa González Miqueo, Spain		
<b>11:50 - 12:15</b>	<b>Collagen Propeptide 6: A crystal ball for heart failure prognostication, and a potential target for a therapeutic silver bullet</b> Dr. David Gordon, US		
<b>12:15 - 12:30</b>	<b>Macrophage proteolytic secretome contributes to collagen remodeling in renal fibrosis</b> Authors: Paloma Ruiz-Blazquez, Valeria Pistorio, Maria Fernandez-Fernandez, Susana Núñez, M. Carmen Garcia-Ruiz, José Fernandez-Checa, <a href="#">Anna Moles</a>		

Friday, June 24

<b>11:00 - 12:45</b>	<b>Plenary session: Cardiorenal axis and the ECM (continued)</b> <span>Congress Hall</span>	
<b>12:30 - 12:45</b>	<b>High collagen type VI formation is a strong independent predictor of poor outcomes in heart failure with preserved ejection fraction: the TOPCAT trial</b> Authors: <a href="#">Julio Chirinos</a> , Lei Zhao, Federica Genovese, Mary Ellen Cvijic, Michael Basso, Alexander Reese-Petersen, Melissa Yarde, Zhaoqing Wang, Dietmar Seiffert, Morten Karsdal, David Gordon, Thomas Cappola	
<b>12:45 - 13:00</b>	<b>Extracellular matrix remodeling associated with atherosclerotic plaque destabilization studied by proteomics</b> Authors: <a href="#">Lasse Lorentzen</a> , Karin Yeung, Jonas Eiberg, Michael Davies	
<b>13:00 - 14:45</b>	<b>Lunch, exhibition and poster session</b>	
<b>13:15 - 14:15</b>	<b>Industry-sponsored symposium</b> <b>Vandsalen</b> <a href="#">View details in sponsor program</a>	<b>Industry-sponsored symposium</b> <b>Blomstersalen</b>
<b>13:15 - 14:45</b>	<b>Poster session 2</b>	
<b>13:30 - 14:30</b>	<b>Poster tour</b>	<b>Meeting point: Reception</b>
<b>14:45- 16:15</b>	<b>Plenary session: Pharmacological targets and modulation of the ECM</b> <span>Congress Hall</span>	
	Chairs: Dr. Eric White and Dr. Detlef Schuppan	
<b>14:45 - 15:10</b>	<b>Title: TBD</b> Dr. Adam Platt, Sweden	
<b>15:10 - 15:35</b>	<b>Title: TBD</b> Dr. Jeremy Sokolove, US	
<b>15:35 - 15:48</b>	<b>Effect of pegbelfermin on noninvasive biomarkers of NASH and fibrosis: a post hoc analysis of the FALCON 1 trial</b> Authors: <a href="#">Anne Minnich</a> , Elizabeth Brown, Jennifer Jones, George Green, Shuyan Du, John Schwartz, Morten Karsdal, Diana Leeming, Giovanni Cizza, Edgar Charles	
<b>15:48 - 16:01</b>	<b>Manipulating fibronectin suppresses fibrosis and cancer growth</b> Author: <a href="#">Inaam Nakchbandi</a>	
<b>16:01 - 16:15</b>	<b>Nanobodies targeting the cub domains of procollagen c-proteinase enhancer-1 (PCPE-1) efficiently slow down the proteolytic maturation of fibrillar procollagens</b> Authors: Priscillia Lagoutte, Jean-Marie Bourhis, Virginie Gueguen - Chaignon, Natacha Mariano, David Vandroux, Catherine Moali, <a href="#">Sandrine Vadon-Le Goff</a>	

Friday, June 24

<b>16:15 - 16:30</b>	<b>Short break</b>	
<b>16:30 - 17:30</b>	<b>Keynote session</b> Chair Dr. Florian Rieder and Dr. Morten Karsdal	<b>Congress Hall</b>
<b>16:30 - 17:00</b>	<b>Targeted treatment of liver fibrosis and NASH</b> Dr. Detlef Schuppan, Germany	
<b>17:00 - 17:30</b>	<b>Architecture is dominant over genotype in both normal and malignant cells: Studies with breast cells in 3D</b> Dr. Mina Bissell, US	
<b>18:30 - 24:00</b>	<b>Congress dinner</b> Separate ticket needed	<b>Meeting Point: Reception</b>

Saturday, June 25

<b>08:00 - 08:45</b>	<b>Meet the professor and Danish pastry</b>	<b>Meeting point 1 and 2</b>
<b>09:00 - 10:30</b>	<b>Plenary session: ECM signaling</b> Chairs: Dr. Jeff Miner and Dr. Sylvie Ricard-Blum	
<b>09:00 - 09:25</b>	<b>Endotrophin – the new kid on the block for fibrosis</b> Dr. Philipp Scherer, US	
<b>09:25 - 09:50</b>	<b>Collagens – the signals of the ECM are talking to us – should we listen?</b> Dr. Morten Karsdal, Denmark	
<b>09:50 - 10:03</b>	<b>Pentastatin, a matrikine of collagen IV alpha 5, is a potent regulator of endothelial dysfunction in pulmonary hypertension</b> Authors: <u>Ayşe Ceren Mutgan</u> , Katharina Jandl, Leigh Marsh, Julia Hoffmann, Panja Bohm, Konrad Hoetzenecker, Andrea Olschewski, Horst Olschewski, Akos Heinemann, Malgorzata Wygrecka, Grazyna Kwapiszewska	

Saturday, June 25

<b>10:30 - 11:00</b>	<b>Coffee break and exhibition</b>	
<b>11:00 - 12:00</b>	<b>Panel debate: Should we treat the ECM or the cells?</b> Chair: Dr. Morten Karsdal Panel: Dr. Valerie Weaver, Dr. Raghu Kalluri, Dr. Florian Rieder, Dr. Detlef Schuppan, Dr. Eric White and Dr. Richard Hynes	<b>Congress Hall</b>
<b>12:00 - 13:30</b>	<b>Lunch and exhibition</b>	
<b>12:15 - 13:15</b>	<b>Rapid oral lunch presentations: ECM pharmacology</b> Chairs: Adam Platt and Jeremy Sokolove	<b>Vandsalen</b>
<b>12:15 - 12:25</b>	<b>Intravital imaging technology guides FAK-mediated priming in pancreatic cancer precision medicine according to merlin status</b> Authors: <u>Kendelle Murphy</u> , Daniel Reed, Claire Vennin, Yingxiao Wang, Owen Sansom, Jennifer Morton, Thomas Cox, Marina Majic, Paul Timpson, David Herrmann	
<b>12:25 - 12:35</b>	<b>LPA1 antagonist BMS-986020 changes collagen dynamics and exerts antifibrotic effects in vitro and in patients with idiopathic pulmonary fibrosis</b> Authors: <u>Anne Minnich</u> , Diana Julie Leeming, Shuyan Du, Morten Karsdal, Aryeh Fischer, Yi Luo, Jannie Marie Bülow Sand	
<b>12:35 - 12:45</b>	<b>Lysyl oxidase inhibition ameliorates fibrosis to improve organ function</b> Authors: <u>Lara Perryman</u> , Yimin Yao, Alison Findlay, Wolfgang Jarolimek	
<b>12:45 - 12:55</b>	<b>Autotaxin is a novel target at the tumor-stroma-immune interface to improve therapy outcome in fibrotic and immune desert tumor types</b> Authors: <u>Giusy Di Conza</u> , Marcel Deken, Ragini Medhi, Lauren Maggs, Karolina Niewola, Lars van der Veen, Pritom Shah, Amy Fraser, Michael Lahn, Zoe Johnson	
<b>12:55 - 13:05</b>	<b>Overcoming tumor immune-exclusion by DDR1 blockade with PPTH-101</b> Authors: <u>Thomas Schürpf</u> , Laura Dillon, Travis Clifton, Mark Bittinger, Xinwei Sher, Katherine Hill, Rong Li, Zhiqiang An, Tamas Oravec, Olga Granaturova, Laurent Audoly	
<b>13:05 - 13:15</b>	<b>RXC008 suppresses fibrosis in a DSS model as measured by histopathology and magnetic resonance imaging</b> Authors: Debby Laukens, Simon Bos, Adriana Gambardella, Cliff Jones, Helen McKeever, Diana Bishop, Jane Robertson, Andrew Belfield, Peter Bunyard	



Saturday, June 25

<b>13:30 - 15:30</b>	<b>Plenary session: Tissue destruction in inflammatory diseases</b> Congress Hall Chair: Dr. Stephan Bakker
<b>13:30 - 13:55</b>	<b>Pathogenesis and future clinical trial endpoints for intestinal fibrosis</b> Dr. Florian Rieder, US
<b>13:55 - 14:20</b>	<b>Tissue damage in chronic joint diseases, a complex interplay between inflammation and stromal cells in mechanopathologies</b> Dr. Rik Lories, Belgium
<b>14:20 - 14:45</b>	<b>Tissue destruction in rheumatoid arthritis</b> Dr. Georg Schett, Germany
<b>14:45 - 14:58</b>	<b>Dermal <math>\alpha</math>5<math>\beta</math>1 myofibroblasts orchestrate skin wound repair via <math>\beta</math>1 integrin and independent of type I collagen production</b> Authors: <a href="#">Kathleen McAndrews</a> , Toru Miyake, Ehsan Ehsanipour, Patience Kelly, Lisa Becker, Daniel McGrail, Hikaru Sugimoto, Valerie LeBleu, Yejing Ge, Raghu Kalluri
<b>14:58 - 15:01</b>	<b>Effects of R399E, a recombinant and mutant form of GDF5 on the secretome of articular cartilage and meniscal explants of osteoarthritis patients in vitro</b> Authors: Eiva Bernotiene, Jaroslav Denkovskij, Daiva Bironaite, Ilona Uzelienė, Edvardas Bagdonas, Kerstin Kleinschmidt-Doerr, Giedrius Kvederas, <a href="#">Ali Mobasher</a>
<b>15:01 - 15:15</b>	<b>Urinary collagen peptides as mirrors of specific pathophysiology</b> Authors: Justyna Siwy, Agnieszka Latosinska, Emmanouil Mavrogeorgis, Maria Frantzi, Joachim Beige, <a href="#">Harald Mischak</a>
<b>15:15 - 15:30</b>	<b>Short break</b>
<b>15:30 - 16:30</b>	<b>Close of congress</b> Congress Hall Chairs: Dr. Janine Erler and Dr. Valerie Weaver
<b>15:30 - 15:50</b>	<b>Award ceremony</b>
<b>15:50 - 16:30</b>	<b>Plenary keynote: Extracellular Matrix: Complexity, impact and applications</b> Dr. Richard Hynes, US

23 - 25 June 2022

Tivoli Congress Center

Copenhagen, Denmark

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