



## FASEB Catalyst Conferences

# Biomechanical and Biochemical Impact of Collagens in Cancer

March 23 - 24, 2022

Conference Organizer: T.S. Karin Eisinger Ph.D., University of Pennsylvania

*\*Schedule subject to change. All speakers will present live and will not be recorded.*

DAY 1 – Wednesday, March 23, 2022	
Time (US Eastern)	Agenda
11:00 am – 11:05 am	Welcome Remarks
11:05 am – 11:50 am	<b>KEYNOTE PRESENTATION:</b> “Stromal cell and extracellular matrix heterogeneity and vulnerabilities in the tumor microenvironment” Ellen Puré, Ph.D.    University of Pennsylvania
11:50 am – 12:50 pm	Session 1: Collagen as a signaling molecule
11:50 am – 12:20 pm	“Collagen-mediated T cell dysfunction in solid tumors” T.S. Karin Eisinger, Ph.D.    University of Pennsylvania
12:20 pm – 12:50 pm	“alpha11 integrin: more than just a biomarker of the fibrogenic niche?” Donald Gullberg, Ph.D.    University of Bergen
12:50 pm – 1:30 pm	Break
1:30 pm – 2:30 pm	Session 2: Collagen as a physical substratum
1:30 pm – 2:00 pm	“Live imaging of T cells and collagens in tumors” Emmanuel Donnadieu, Ph.D.    INSERM
2:00 pm – 2:30 pm	“Collagen signaling in pancreatic cancer progression” Rolf Brekken, Ph.D.    UT Southwestern
2:30 pm – 3:30 pm	Session 3: Collagen as a mediator of intratumoral physical forces
2:30 pm – 3:00 pm	“Title TBD” Gregory Longmore, Ph.D.    Washington University
3:00 pm – 3:30 pm	“Collagen remodeling in cancer and angiogenesis” Sharon Gerecht, Ph.D.    Duke University
DAY 2 – Thursday, March 24, 2022	
11:00 am – 11:05 am	Day 2 Welcome Remarks and Recap



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<b>11:05 am – 11:50 am</b>	<b>KEYNOTE PRESENTATION: “A Wrinkle in TiME: How the aging ECM drives tumor progression”</b> <b>Ashani Weeraratna, Ph.D.</b>    Johns Hopkins University
<b>11:50 am – 12:20 pm</b>	<b>Session 4: Collagen as a mediator of metastasis</b>
<i>11:50 am – 12:20 pm</i>	<i>“Mammary collagens and breast cancer metastasis are under reproductive control”</i> <b>Pepper Schedin, Ph.D.</b>    Oregon Health Sciences University
<b>12:20 pm – 12:40 pm</b>	<b>Break</b>
<b>12:40 pm – 1:30 pm</b>	<b>Session 5: The role of tumor-specific collagen post-translational modifications</b>
<i>12:40 pm – 1:10 pm</i>	<i>“Pro-metastatic activity of a collagen glucosyltransferase”</i> <b>Jonathon Kurie, M.D.</b>    MD Anderson
<i>1:10 pm – 1:40 pm</i>	<i>“Structural insights into collagen lysyl hydroxylase function and inhibitor development”</i> <b>Hou-Fu Guo, Ph.D.</b>    University of Kentucky
<b>1:40 pm</b>	<b>Closing Remarks</b>