

Kyoto-Vienna biomath workshop**December 1 - 2, 2022****of the Thematic Programme on****“Mathematical Methods for the Study of Self-organization in the
Biological Sciences”****November 14 - December 9, 2022, organized by****Pierre Degond (IMT), Marie Doumic (Sorbonne U, Paris), Anna Kicheva (ISTA,
Klosterneuburg), Sara Merino-Aceituno (U Vienna), Christian Schmeiser (U Vienna)****• Thursday, December 1st, 2022**09:00 – 09:20 **Registration**09:20 – 09:30 **Welcome**09:30 – 10:30 **Sungrim Seirin-Lee (Kyoto U)***From Geometry to Patterns*10:30 – 11:00 **Coffee break**11:00 – 12:00 **Sara Merino-Aceituno (U Vienna)***Emergence in collective dynamics using kinetic theory*12:00 – 14:00 **Lunch break**14:00 – 15:00 **Shotaro Otsuka (Med U Vienna)***Visualising inter-organelle communication by light and electron microscopy*15:00 – 15:30 **Coffee break**15:30 – 16:30 **Antoine Diez (ASHBi)***Swarmalators without force reciprocity*18:00 – **Workshop dinner****• Friday, December 2nd, 2022**09:30 – 10:30 **Ansgar Jüngel (TU Vienna)***A coupled stochastic differential reaction-diffusion system for angiogenesis*10:30 – 11:00 **Coffee break**11:00 – 12:00 **Hiroshi Ishii (Kyoto U)***Dynamics of localized patterns in reaction-diffusion equations with nonlocal effect*12:00 – 14:00 **Lunch break**14:00 – 15:00 **Steffen Plunder***TBA*15:00 – 15:30 **Coffee break**15:30 – 16:30 **Christian Schmeiser***TBA***All talks take place at ESI Boltzmann Lecture Hall! Wearing an FFP2 mask is mandatory!**