

$$\begin{aligned} \partial_x(v_P(a)P) &= \partial_x(v_P(a)P) & \partial_t a - D\partial_{xx}a + \kappa_B(a - a_B)(B_r + B_l) + \kappa_P(a - a_P)(P_r + P_l) &= 0, \\ \partial_t B_l - D\partial_{xx}B_l + \kappa_B(a - a_B)(B_r + B_l) + \kappa_P(a - a_P)(P_r + P_l) &= 0, & \partial_x B_l &= \partial_x(v_B(a)B_l) \\ \partial_t P_r - D\partial_{xx}P_r + \kappa_B(a - a_B)(B_r + B_l) + \kappa_P(a - a_P)(P_r + P_l) &= 0, & \partial_x P_r &= -\partial_x(v_P(a)P) \equiv \partial_x((v_B + \kappa_P(a - a_P))P_r) \\ \partial_t a - D\partial_{xx}a + \kappa_B(a - a_B)(B_r + B_l) + \kappa_P(a - a_P)(P_r + P_l) &= 0, & \partial_t P_l &= \partial_x(v_P(a)P), \\ \partial_t a - D\partial_{xx}a + \kappa_B(a - a_B)(B_r + B_l) + \kappa_P(a - a_P)(P_r + P_l) &= 0, & \partial_t B_r &= -\partial_x(v_B(a)B_r) \equiv \partial_x((v_R - \kappa_B(a - a_B))B_r) \\ \partial_t a - D\partial_{xx}a + \kappa_B(a - a_B)(B_r + B_l) + \kappa_P(a - a_P)(P_r + P_l) &= 0, & a - D\partial_{xx}a + \kappa_B(a - a_B)(B_r + B_l) + \kappa_P(a - a_P)(P_r + P_l) &= 0. \end{aligned}$$

Workshop on Cell Dynamics and Mathematical Modeling

November 27 – December 1, 2023 Münster

Speakers

Davide Ambrosi (Torino)

Alba Diz-Muñoz (Heidelberg)

Dimitri Fabrešges (Utrecht)

Georgios Grekas (Heraklion)

Carl-Philipp Heisenberg

(Klosterneuburg)

Oliver Jensen (Manchester)

John King (Nottingham)

Zoltan Pethö (Münster)

Wolfram Pönisch (Cambridge)

Erez Raz (Münster)

Shubhadeep Sadhukhan (Rehovot)

André Schlichting (Münster)

Christian Schmeiser (Wien)

Pierre Sens (Paris)

Juan José López Velázquez (Bonn)

Sara Wickström (Münster)

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