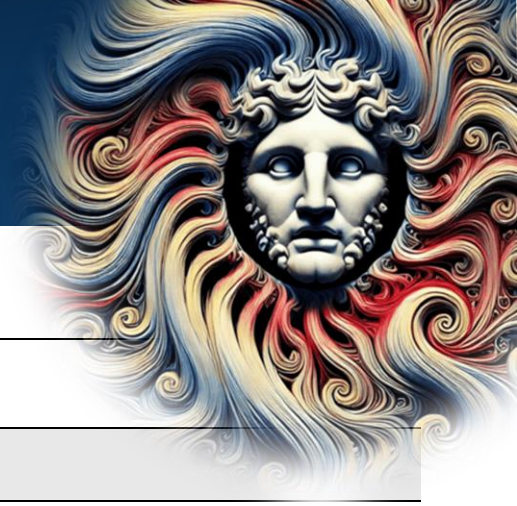


# International Workshop on Flow-Induced Blood Damage in Rotating Systems *BDW 2025*



## Programme

Thursday 4<sup>th</sup> September

**08:30**      **Breakfast/Registration**

**09:00**      **Welcome**  
Katharine Fraser, *University of Bath*

**09:10**      **Mechanical Circulatory Support related Hemorheological Research**  
Nobuo Watanabe, *Shibaura Institute of Technology*

**10:00**      **Experimental and numerical analysis of the cell-free layer in blood flows up to a haematocrit of 39%**  
M. Liehs, *University of Rostock*

**10:40**      **Coffee Break**

**11:10**      **Expanding the role of numerical hemolysis modeling in cardiovascular device design and evaluation**  
Ilaria Guidetti, *Politecnico di Milano*

**11:50**      **Automated design and simulation workflow for VAD**  
Anna Lancmanova, *Czech Technical University in Prague/Czech Academy of Sciences*

**12:30**      **Lunch Break**

**13:30**      **Impact of realistic operating conditions on preclinical assessment of hemolysis**  
Simon Klocker, *Medical University of Vienna*

**14:10**      **Comparison of the hemolytic behavior of pediatric and adult blood in a couette shearing device**  
Vera Froese, *Charité Berlin*

**14:50**      **Tea Break**

**15:20**      **Development of blood mimicking fluids: a comparative study in different flow regimes**  
Gesine Hentschel, *Leibniz University Hannover*

**16:00**      **Rapid-fire: EchoPIV for turbulent field measurement in blood analogues**  
Evelyn Hu, *University of Bath*

**16:20**      **Rapid-fire: Correlating Turbulence with Blood Damage**  
Rosmarie Schoefbeck, *Medical University of Vienna*

**16:40**      **Rapid-fire: Entropy and the power law model**  
Lee Nissim, *University of Bath*

**18:00**      **Evening Reception (food and drinks included)**  
*The Boater*  
9 Argyle St, Bath BA2 4BQ

Friday 5<sup>th</sup> September

<b>08:30</b>	<b>Breakfast/Registration</b>
<b>09:00</b>	<b>Welcome Back</b> Katharine Fraser, <i>University of Bath</i>
<b>09:10</b>	<b>Advances in hemocompatibility testing of mechanical circulatory support devices</b> Bala Sivraman, <i>Abbott</i>
<b>09:50</b>	<b>Haemolysis measurements for centrifugal and pulsatile pumps</b> Ronald Knight, <i>Haemair</i>
<b>10:30</b>	<b>Coffee Break</b>
<b>11:00</b>	<b>Pumpless in-vitro oxygenator haemolysis setup</b> Nicolas Gendron, <i>RWTH Aachen University</i>
<b>11:40</b>	<b>Model hierarchies for hemolysis prediction in blood-handling medical devices</b> Nico Dirkes, <i>RWTH Aachen University</i>
<b>12:20</b>	<b>Lunch Break</b>
<b>13:20</b>	<b>The effects of turbulence over the performance of three commercial blood pumps</b> Peng Wu, <i>Southeast University</i>
<b>14:00</b>	<b>Analyzing Turbulent Effects on Blood Damage Using a Counter-Rotating Taylor-Couette System</b> Henri Wolff, <i>Charité Berlin</i>
<b>14:40</b>	<b>Tea Break</b>
<b>15:10</b>	<b>Updates on the BDW Testcase</b> Benjamin Torner, <i>Medical University of Vienna</i>
<b>15:50</b>	<b>Closing words</b> Katharine Fraser, <i>University of Bath</i>
<b>16:00</b>	<b>End</b>

