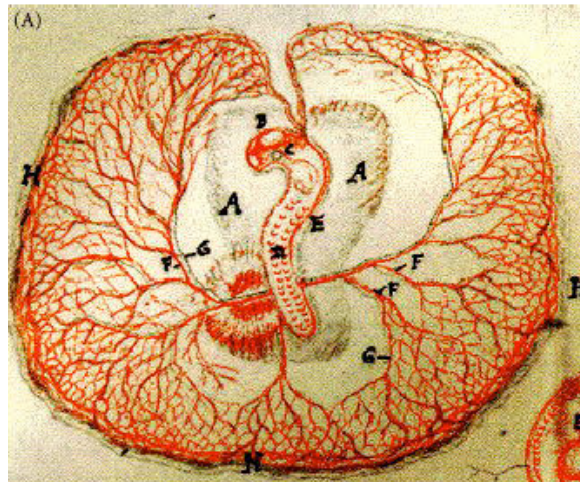


PROGRAM OF SEMINAR IN MATHEMATICAL BIOLOGY (SS 2014)

BIOLOGY AND MATHEMATICS OF VASCULAR DEVELOPMENT



Marcello Malpighi, 1673

SEMINAR DATES & TOPICS	TITLES OF SUBTOPIC (TUTOR)	SPEAKERS
26 MAY, 2014 INTRODUCTION TO VASCULAR DEVELOPMENT AND ITS MOLECULAR REGULATION	1A <i>General background</i>	<i>Alvaro Köhn-Luque</i>
	1B <i>VEGF receptor binding (Alvaro)</i>	<i>David Reher</i>
2 JUNE, 2014 ENDOTHELIAL CELL DYNAMICS	2A <i>Chemotactic response to VEGF</i>	Thomas Buder
30 JUNE 2014 ENDOTHELIAL CELL DYNAMICS & VASCULAR PATTERNING	2B <i>Collective motion in endothelial monolayers (Walter)</i>	Anne Herrmann
	2C <i>Tip-stalk cell dichotomy during vessel sprouting (Walter)</i>	Josué Nava
	3A <i>Vasculogenesis (Alvaro)</i>	Nitya Dixit
7 JULY, 2014 VASCULAR PATTERNING & MECHANICS	3B <i>Angiogenesis (Alvaro)</i>	Sebastian Gemsheim
	4A <i>Endothelial cell mechanosensing (Oleksandr)</i>	Robert Müller
	4B <i>Blood flow-induced vascular remodelling</i>	Oleksandr Ostrenko
TIME AND LOCATION 13.00 - 16.00 , INF 2101, Dept. of Computer Science, Nöthnitzer Str. 46		
SEMINAR WEBSITE http://www.tu-dresden.de/die_tu_dresden/zentrale_einrichtungen/zih/lehre/bio/ws1314_sem		
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