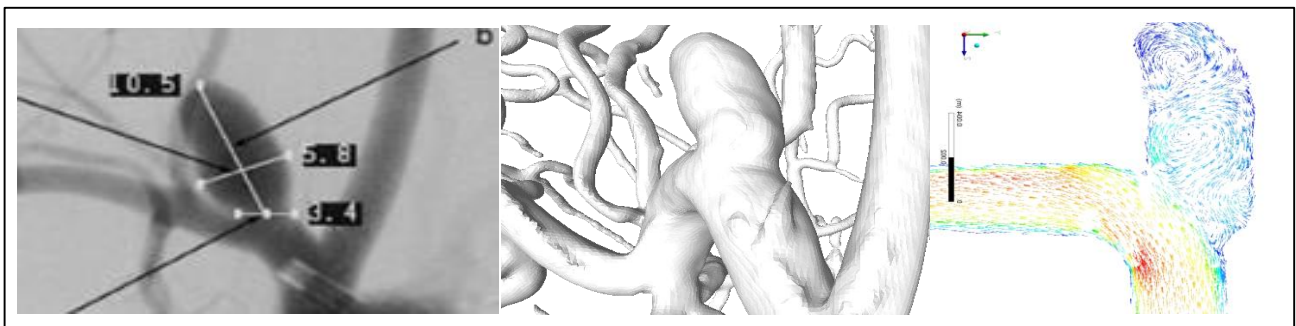


## POSTDOC POSITION IN PHYSIOLOGICAL FLOW VISUALIZATION

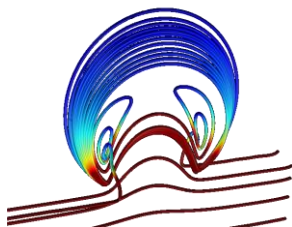
**Description:** A postdoctoral position is available in the field of experimental fluid mechanics and flow visualization in the Department of Biomedical Engineering, Technion. Research focuses on the development of physiologically-faithful in vitro models covering the areas of respiratory and cardiovascular flows of the human body. Experimental investigations span a broad range of transport problems from the micro-scale (e.g. blood microcirculation, pulmonary acinar airflows) to the macro-scale (e.g. pulmonary upper airways, cardiovascular aneurysms, etc.). Our objectives, supported amongst other by an ERC Starting Grant, are to provide new insights to pulmonary and cardiovascular flow in human disease conditions and to leverage this knowledge for innovative therapeutic approaches involving particle inhalation and targeted drug delivery.



**Background:** The ideal candidate will have expertise in the area of experimental fluid mechanics (e.g. flow measurement setups) and experience in quantitative flow visualization techniques, including but not limited to particle image velocimetry (PIV), tracking velocimetry (PTV), laser-induced fluorescence (LIF) or similar.

**Starting dates are flexible throughout 2016 with competitive salary.** Initial appointment is for 1 year – with extension up to 3 years.

**How to apply:** Applicants should have a PhD in physical or engineering disciplines (e.g. mechanical, biomedical, chemical, environmental), with a stronghold in fluid dynamics and transport phenomena. Interested candidates should send a cover letter highlighting their experience relevant to this position, current curriculum vitae (CV) with full publication list and the contact information of at least two (preferably three) referees to:



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