

**Doctoral study program: PhD program in Biomedical Sciences, MF, MU**

**Form:** doctoral present

**Department:** Department of Anatomy

**Supervisor:** Andrea Vítečková Wünschová

**Ph.D. position:** 3D printing and a Cell Biology Focused on a Human Vasculature

**Annotation**

The project aims to understand vasculature pathologies. A 3D printing and a bioprinting is employed to create real size vasculature models according to patients CT scans or microfluidic models seeded with endothelial cells. Important part of the project will be a study of interaction between blood clots and endothelium.

**Funding of the research**

AZV grants: No.: NW24-08-00064 and No.: NU-22-08-00124.

**Information on funding PGS positions**

From AZV grant No.: NW24-08-00064

**Requirements for the student according to the Board for the PhD studies**

A Ph.D. candidate has to have a master degree relevant to the Board for the PhD studies and the topic of Ph.D. study

**Supervisor**

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