



International Seminar on Liver Regeneration and Computational Modelling of Hepatobiliary Surgeries

**Biomedical Center and Department of Surgery, Faculty of Medicine
in Pilsen and University Hospital Pilsen, Charles University in Prague
Pilsen, Czech Republic, 26–27 May 2016**

Seminar – Thursday 26 May, 14.00–17.00

(Lecture room, Department of Pathophysiology, UniMeC, alej Svobody 1655/76, Plzeň)

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| 14.00–14.10 | Václav Liška. <i>Welcome and introduction.</i> |
| 14.10–14.30 | Charlotte Debbaut, Patrick Segers, Geert Peeters. <i>Multi-level modelling of liver perfusion.</i> |
| 14.30–14.50 | Rodrigo Moreno. <i>Estimation of biomechanical tensors through efficient image processing methods.</i> |
|  14.50–15.10 | COFFEE BREAK & DISCUSSION |
| 15.10–15.30 | Tim Ricken. <i>A continuum mechanical multi-scale and multi-component FEM model for liver perfusion, lipid growth, and metabolism.</i> |
| 15.30–15.50 | Uta Dahmen, Olaf Dirsch. <i>Overview of current projects related to liver perfusion and hepatic parenchymal and vascular regeneration.</i> |
|  15.50–16.10 | COFFEE BREAK & DISCUSSION |
| 16.10–16.30 | Eduard Rohan. <i>Summary of multiscale approaches in modelling perfused tissues.</i> |
| 16.30–16.40 | Lada Eberlová. <i>Liver corrosion casts – our up-to-now experience.</i> |
| 16.40–16.50 | Hynek Mírka. <i>Perfusion CT of the liver.</i> |
| 16.50–17.00 | Miroslav Jiřík. <i>Geometric liver models from CT images.</i> |

Dinner – Thursday 26 May, 18.00–20.00

(Saloon Roudná Steak Restaurant, Na Roudné 387/17, Plzeň)

Collaboration Meeting – Friday 27 May, 9.00–12.00

(Meeting room, Biomedical Center, alej Svobody 1655/76, Plzeň)