

Seminar: Non-clinical Research at MedAustron

Time: Tuesday, 09:00 - 10:30 am

Zoom link:

<https://tuwien.zoom.us/j/96665909687?pwd=R3dYa1AxUEQxcjg0UkdPUm9qUEpmUT09>

Date	Topic (Project)	Presenter
20.10.2020	Introduction to the new Seminar series - motivation, timeline, topics	Dietmar Georg & Albert Hirtl
10.11.2020	Magnetic Field Effects in Particle Beams	Fatima Padilla & Hermann Fuchs
24.11.2020	Small animal project: microCT imaging, commercial TPS for small fields, dose distributions after proton irradiation with a collimator, next steps	Monika Clausen & Sirinya Ruangchan & Markus Zeilinger
15.12.2020	Different aspects of 4D dose delivery and tracking: motion mitigation investigations for moving patients treated with protons at MedAustron and phantom irradiations with carbon ions	Franciska Lebbink & Barbara Knäusl
12.01.2021	Radiation-induced immunogenic changes in pancreatic cancer cell lines	Sylvia Kerschbaum-Gruber
19.01.2021	Relative stopping power measurements with an ion imaging demonstrator	Alexander Burker
02.03.2021	Towards a non-dedicated eye beamline at MedAustron	Andreas Resch & Milovan Regodic
16.03.2021	Experimental aspects of microdosimetry	Sandra Barna & Cynthia Meouchi
13.04.2021	Slow extraction optimization for synchrotron based ion-beam therapy	Florian Kühteubl
27.04.2021	Fast intensity-based 2D/3D image registration (FIRE) for tumor motion monitoring in real-time	Ingo Gulyas
11.05.2021	Proton and Carbon ion dosimetry using Large Area Ionization Chambers	Peter Kuess
08.06.2021	Clinical applications of microdosimetry	Hugo Palmans & Giulio Magrin
22.06.2021	tba	tba

