**Seminar Programme „Radiation Sciences“**

*Venue: Institute of Cell Biology, Virchowstr. 173, 1st floor, seminar room 1.017*

<table>
<thead>
<tr>
<th>Date</th>
<th>Host</th>
<th>Student chair</th>
<th>Lecture</th>
<th>Progress Report</th>
<th>Signature</th>
</tr>
</thead>
</table>
| 12.04. | Jendrossek    | Teresa Bernardo | **Björn Scheffler**  
Application of patient samples to translational oncology | **Mikhail Kunin**  
Metabolic induction of cancer cell radiosensitivity to IR |           |
| 26.04. | Timmermann    | Razan Hessenow  | **Benjamin Koska**  
Impact of beam properties for uveal melanoma proton therapy | **Katharina Eul**  
Influence of altered metabolic pathways on the therapeutic radiation response of tumors |           |
| 10.05. | Klein         | Safa Larafa    | **Alexandra Gellhaus**  
Impaired lymphangiogenesis during spiral arterial remodelling upon soluble VEGFR1 (sFLT1) in the hypertensive pregnancy disorder preeclampsia | **Xixi Lin**  
Studies on the mechanisms of lung and ovarian tumor radiosensitization with BMN673 in combination with ATR inhibitors |           |
| 24.05. | Herrmann/Lückerath | Mei Liu  | **Katharina Lückerath**  
Imaging in Nuclear-Oncology | **Mei Liu**  
Effects of the topological disorganization of chromatin by CTCF suppression on DSB induction, DSB induced signaling and the choice of the DSB repair pathway |           |
| 07.06. | Herrmann/Lückerath | Xixi Lin  | **Marija Trajkovic-Arsic**  
Cancer, resistance and metabolism-examples on pancreatic ductal adenocarcinoma | **Safa Larafa**  
Targeting metabolic cancer cell plasticity to overcome escape from radiotherapy |           |
<table>
<thead>
<tr>
<th>Date</th>
<th>Name</th>
<th>Chair</th>
<th>Speaker</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>21.06.</td>
<td>Klein</td>
<td>Katharina Eul</td>
<td>Carsten Herskind tba</td>
<td>Razan Hessenow Impact of radiation quality (photons vs protons) on molecular and cellular responses</td>
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<tr>
<td>05.07.</td>
<td>Timmermann</td>
<td>Mikhail Kunin</td>
<td>Maximilian Bäcker</td>
<td>Teresa Bernardo Preclinical research on the proton therapy of sarcoma against the background of a variable LET-RBC concept, fractionation and sequence</td>
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<tr>
<td>19.07.</td>
<td>Jendrossek</td>
<td>N.N.</td>
<td>Silvia Vega Rubin de Celis</td>
<td>N.N.</td>
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</tbody>
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**Format:** For each seminar a nominated student chair will lead and host the discussion with the session’s assigned scientific coordinator taking a supportive background role. Thus, the hosts are expected to prepare well to ensure a lively discussion, also selecting people in the audience to respond ad hoc.