<table>
<thead>
<tr>
<th>TIME</th>
<th>MONDAY, OCT 16</th>
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<tbody>
<tr>
<td>9:00 AM</td>
<td><strong>Educational Workshop at the University Medical Center Marburg</strong></td>
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| 9:45 AM | Production and repair of radiation induced DNA-breaks  
Chair: E. Dikomey |
| 10:30 AM | Coffee break |
| 11:00 AM | Production and repair of Role of Hypoxia for the efficacy of ionizing radiation  
Chair: U. Schötz |
| 11:45 AM | Signal transduction after irradiation with ionizing radiation  
Chair: U. Schötz |
| 12:00 PM | Opening and welcome ceremony |
| 12:30 PM | Lunch break |
| 2:00 PM | Fragmentation of He-Ions  
Chair: K. Zink |
| 2:45 PM | Bragg-Peak modulation in particle therapy: boon and bane  
Chair: K. Zink |
| 3:30 PM | Coffee break |
| 4:00 PM | Particle therapy for non-malignant diseases  
Chair: R. Engenhart-Cabillic |
| 4:30 PM | Future projects  
Chair: R. Engenhart-Cabillic, K. Zink, E. Dikomey |

<table>
<thead>
<tr>
<th>TIME</th>
<th>TUESDAY, OCT 17</th>
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<tbody>
<tr>
<td>10:00 AM</td>
<td><strong>Registration</strong></td>
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<tr>
<td>10:30 AM</td>
<td>Coffee break</td>
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</tbody>
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| 10:50 AM | Pancreas  
Overview of therapies for pancreatic cancer  
Wendisch, Thomas; 25+5  
Evidence in PT for GI tumors  
Orecchia, Roberto; 25+5  
Is there a chance for more effective particle radiotherapy?  
Vonknecht, Hike; 25+5 |
| 11:20 AM | Key lectures  
Relevance of radiotherapy for the individualized tumor treatment  
Budach, Willfried; 35+5  
Japanese experience for carbon ion therapy  
Tschönhoff, Hike; 35+5  
German experience in carbon ion and future trends  
Debus, Jürgen; 35+5  
Coffee break |
| 12:20 PM | Lunch break |
| 1:20 PM | Poster presentation and awards |

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<thead>
<tr>
<th>TIME</th>
<th>WEDNESDAY, OCT 18</th>
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| 8:30 AM | RBE-Modelling  
RIE-Modelling: MM  
Mishustin, Igor; 25+5  
RIE-Modelling: LEM  
Schorz, Michael; 25+5  
Challenges of RBE as a concept in proton therapy  
Lorins, Anthony; 25+5  
Challenges of RBE modelling for treatment planning  
Kormann, Silke; 25+5 |
| 9:00 AM | Key lectures  
Next generation particle therapy  
Bortfeld, Thomas; 35+5  
Biological rational for particle therapy  
Kraft, Gerhard; 25+5  
Translational research in particle therapy  
Krause, Mechthild; 35+5 |
| 9:40 AM | Coffee break |
| 10:00 AM | Coffee break |
| 10:50 AM | **Biological targeting**  
Translational research to improve carbon ion therapy  
Hiro Sato / Gunnar; 25+5  
Double-strand break repair as a target for individualized radiotherapy  
Mansour, Waad; 25+5  
Targeting the N-ras pathway  
Cordes, Nina; 25+5  
Canform stem cells: *The role of stem cells in radiation response and regeneration  
Doppes, Rob; 25+5 |

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<tr>
<th>TIME</th>
<th>THURSDAY, OCT 19</th>
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| 8:30 AM | New options for heavy ion therapy  
Heavy ion therapy combined with immunotherapy  
Lauer, Kirsten; 25+5  
Outcome of PT for locally advanced NSCLC  
Wittig, Andrea; 25+5  
PT and Parkinson disease?  
Eberle, Fatima; 25+5  
PT for cardiac amythritis?  
Graefl, Christian; 25+5 |

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<tr>
<th>TIME</th>
<th>FRIDAY, OCT 20</th>
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| 10:30 AM | Clinical trials  
Status of ongoing clinical trials for Carbon Ion Therapy in Europe  
Hertford, Klaus; 25+5  
Validation methodologies for the clinical benefit of proton therapy  
Langendijk, J.A.Hans; 25+5 |
| 11:50 AM | Closing remarks |
| 12:30 PM | Departure |

**Program**  
**Giersch International Symposium**  
**Current status and future perspectives in particle therapy**  
**Conference Website:** indico.fias.uni-frankfurt.de/e/gis2017

**FIAS Frankfurt Institute for Advanced Studies**