



in collaboration with:

siteminsel

 **INSELSPITAL**  
UNIVERSITÄTSSPITAL BERN  
HÔPITAL UNIVERSITAIRE DE BERNE

**u<sup>b</sup>**  

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**UNIVERSITÄT  
BERN**

sitem SCHOOL  
SYMPOSIUM

Monday, 9<sup>th</sup> September 2019, 08.30 - 17.00, sitem-insel, Freiburgstrasse 3, Bern

## Artificial Intelligence in Medical Imaging

### Program Part I

- |               |  |
|---------------|--|
| 08.30 – 08.45 | <b>Welcome</b><br>Pascale Anderle, Juergen Burger, sitem Center, University of Bern<br>Roland Wiest, Clinical Neuroscience, University of Bern                               |
| 08.45 – 09.30 | <b>Keynote Lecture: Translational AI from bits to bedside</b><br>Felix Nensa, University Hospital Essen, Essen   |
| 09.30 – 10.00 | <b>Transforming patient care through imaging AI</b><br>Nuno Barros, Icometrix, Leuven  |
| 10.00 – 10.30 | <b>Break</b>   |
| 10.30 – 11.00 | <b>Bringing ML to the Clinics</b><br>Tobias Kober, Siemens Healthineers, Lausanne  |
| 11.00 – 11.30 | <b>ScanDiags - Clinically validated AI for the augmented diagnosis of musculoskeletal MRI</b><br>Elisa Wan, Balzano, Zurich  |
| 11.30 – 12.00 | <b>INTACT: An AI-based Computer-Aided Diagnosis System for the Diagnosis of Interstitial Lung Diseases from CT Images</b><br>Stavroula Mougiakakou, University of Bern, Bern |
| 12.00 – 13.30 | <b>Lunch</b>   |

Contact:  
[school@sitem.unibe.ch](mailto:school@sitem.unibe.ch)

Please register until 20.08.2019 at  
<https://forms.gle/ahX56GGW6dFaVpPK6>



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### Program Part II

- |               |  |
|---------------|--|
| 13.30 – 14.15 | <b>Keynote Lecture: AI in a clinical context, get ready to make your hands dirty!</b><br>Bram Stieltjes, University of Basel, Basel  |
| 14.15 – 14.45 | <b>Microfluidics, microscale assays and image analytics for data-rich pathology</b><br>Govind V. Kaigala, IBM Research Laboratory, Zurich  |
| 14.45 – 15.15 | <b>From acquisition to prognosis, the expanding role of machine learning in radiology</b><br>Jonas Richiardi, Lausanne University Hospital, with a joint affiliation to Siemens Healthcare Switzerland, Lausanne |
| 15.15 – 15.45 | <b>Break</b>   |
| 15.45 – 16.15 | <b>Reducing the annotation burden for image-based machine learning</b><br>Raphael Sznitman, University of Bern, Bern   |
| 16.15 – 16.45 | <b>Is there a future for artificial intelligence and deep learning in molecular imaging research?</b><br>Habib Zaidi, University of Geneva, Geneva   |
| 16.45 – 17.00 | <b>Closing remarks</b>   |

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