



RLS-SCIENCES DIGITAL HEALTH INITIATIVE WORKSHOP

8th – 9th November 2021

14:00 – 16:00 (CET – Bavaria/Upper Austria)

08:00 – 10:00 (EDT – Georgia/Québec)

10:00 – 12:00 (BRT – São Paulo)

15:00 – 17:00 (UCT – Western Cape)

21:00 – 23:00 (CST – Shandong)

Virtual sessions

Link:

<https://us02web.zoom.us/j/84427163097?pwd=YkIWNHJVUjhvaFE0bmxlUjJyd2w4dz09>

Meeting ID: 844 2716 3097

Passcode: 854446

In case of technical issues, please contact wks@bayfor.org

Day 1 Working Session:

Data Handling, Ethics, and Interactions

08:00 Georgia/Québec 10:00 São Paulo 14:00 Bavaria/Upper Austria 15:00 Western Cape 21:00 Shandong	<p>Welcome</p> <p>Florence GAUZY, Scientific Coordination Office Bavaria-Québec/Alberta International, Bavaria</p> <p><i>Welcome and Workshop Objectives</i></p> <p>Sebastian BICKELHAUPT, Erlangen University Hospital Center, Bavaria</p> <p><i>Welcome and Introductory Remarks</i></p>
08:05 Georgia/Québec 10:05 São Paulo 14:05 Bavaria/Upper Austria 15:05 Western Cape 21:05 Shandong	<p>RLS-Sciences Statements</p> <p>Michael HINTERDOBLER, Government of Bavaria, Bavaria</p> <p>Birgit STOCKINGER, Government of Upper Austria, Upper Austria</p> <p><i>Statements from Bavaria and Upper Austria on the RLS-Sciences Digital Health Initiative</i></p>
08:10 Georgia/Québec 10:10 São Paulo 14:10 Bavaria/Upper Austria 15:10 Western Cape 21:10 Shandong	<p>RLS-Digital Health Initiative</p> <p>Sebastian BICKELHAUPT, Erlangen University Hospital Center, Bavaria</p> <p><i>RLS-Digital Health Initiative: Roadmap and Aims</i></p>
08:25 – 08:45 Georgia/Québec 10:25 – 10:45 São Paulo 14:25 – 14:45 Bavaria/Upper Austria 15:15 – 15:45 Western Cape 21:25 – 21:45 Shandong	<p>Data Handling</p> <p>Moderation: Peter ZINTERHOF, Bavaria</p> <p>Jon DUKE, Georgia Institute of Technology, Georgia</p> <p><i>Security and Sharing of Health Data: OHDSI</i></p> <p>ZHANG Yong, Shandong First Medical University, Shandong</p> <p><i>Ethical boundary involved in medical artificial intelligence</i></p>



	<p>Q&A / Break</p> <p>Moderation: Fiona RUMOHR, Bavaria</p>
<p>08:50 – 09:10 Georgia/Québec 10:50 – 11:10 São Paulo 14:50 – 15:10 Bavaria/Upper Austria 15:50 – 16:10 Western Cape 21:50 – 22:10 Shandong</p>	<p>Data and Practitioners</p> <p>Moderation: Inji YAGHMOUR, Québec (TBC)</p> <p>Nassir NAVAB, Technical University Munich, Bavaria</p> <p><i>Supporting practitioners with new digital tools</i></p> <p>Andreas GRUBER, Kepler Universitäts Klinikum, Upper Austria</p> <p><i>Next generation education: artificial patients and real data</i></p>
	<p>Q&A / Break</p> <p>Moderation: Fiona RUMOHR, Bavaria</p>
<p>09:15 – 09:40 Georgia/Québec 11:15 – 11:40 São Paulo 15:15 – 15:40 Bavaria/Upper Austria 16:16 – 16:40 Western Cape 22:15 – 22:40 Shandong</p>	<p>Clinical Perspective</p> <p>Moderation: Fiona RUMOHR, Scientific Coordination Office Bavaria-Québec/Alberta International, Bavaria</p> <p>Sebastian BICKELHAUPT, Erlangen University Hospital Center, Bavaria, together with regional representatives and workshop participants</p> <p><i>Preliminary Exchange on Urgent Needs and Challenges of AI in Health in Clinical Settings</i></p>
<p>09:40 – 10:00 Georgia/Québec 11:40 – 12:00 São Paulo 15:40 – 16:00 Bavaria/Upper Austria 16:40 – 17:00 Western Cape 22:40 – 23:00 Shandong</p>	<p>Summary</p> <p>Volker TRESP, Ludwig Maximilian University of Munich and Siemens, Bavaria</p> <p><i>Statement</i></p> <p>Sebastian BICKELHAUPT, Erlangen University Hospital Center, Bavaria</p> <p><i>Summary and Remarks on Day 1</i></p>



**Day 2 Working Session:
Digital Medical Applications**

<p>08:00 Georgia/Québec 10:00 São Paulo 14:00 Bavaria/Upper Austria 15:00 Western Cape 21:00 Shandong</p>	<p>Welcome</p> <p>Sebastian BICKELHAUPT, Erlangen University Hospital Center, Bavaria</p> <p><i>Welcome and Remarks from Day 1</i></p>
<p>08:10 Georgia/Québec 10:10 São Paulo 14:10 Bavaria/Upper Austria 15:10 Western Cape 21:10 Shandong</p>	<p>RLS-Digital Health Initiative and the partner regions</p> <p>Manon PELLETIER, Fonds de Recherche du Québec- Santé, Québec</p> <p><i>Role of AI in Health for the Regions: Québec Example</i></p>
<p>08:15 – 08:35 Georgia/Québec 10:15 – 10:35 São Paulo 14:15 – 14:35 Bavaria/Upper Austria 15:15 – 15:35 Western Cape 21:15 – 21:35 Shandong</p>	<p>AI for Medical Applications</p> <p>Moderation: Josch PAULING, Bavaria</p> <p>Nora MACK, MedTECH Business Upper Austria, Upper Austria</p> <p><i>AI and the role of big data in new caring options for ageing</i></p> <p>Hassan RIVAZ, Concordia University, Québec</p> <p><i>AI as an enabling technology in medical applications: the case of AI-driven ultrasound</i></p>
	<p>Q&A Break</p> <p>Moderation: Fiona RUMOHR, Bavaria</p>
<p>08:40 – 08:50 Georgia/Québec 10:40 – 10:50 São Paulo 14:40 – 14:50 Bavaria/Upper Austria 15:40 – 15:50 Western Cape 21:40 – 21:50 Shandong</p>	<p>Ethics/Responsibility</p> <p>Moderation: Christina DIECKHOFF, Bavaria</p> <p>Barbara SCHELLHAMMER, Hochschule für Philosophie München, Bavaria and Marie-Jean MEURS, Université du Québec à Montréal, Québec</p> <p><i>Interdisciplinary approaches to responsibility in AI development</i></p>
	<p>Q&A Break</p> <p>Moderation: Fiona RUMOHR, Bavaria</p>
<p>08:55 – 09:15 Georgia/Québec 10:55 – 11:15 São Paulo 14:55 – 15:15 Bavaria/Upper Austria 15:55 – 16: 15 Western Cape 21:55 – 22:15 Shandong</p>	<p>Big Data in Public Health</p> <p>Moderation: Nora MACK, Upper Austria</p> <p>Peter ZINTERHOF, Leibniz-Rechenzentrum der Bayerischen Akademie der Wissenschaften, Bavaria</p> <p><i>Federated vs. centralized data sharing for public health</i></p> <p>Josch PAULING, Technical University of Munich, Bavaria</p> <p><i>The LipiTUM example</i></p> <p>Representatives, São Paulo (TBC)</p> <p><i>Using machine learning to mitigate risk in populations: bringing big data to the big scale</i></p>



	<p>Q&A / Break</p> <p>Moderation: Fiona RUMOHR, Bavaria</p>
<p>09:20 Georgia/Québec 11:20 São Paulo 15:20 Bavaria/Upper Austria 16:20 Western Cape 22:20 Shandong</p>	<p>Roadmap Review and Discussion</p> <p>Moderation: Yves JOANETTE, Québec</p> <p>Sebastian BICKELHAUPT, Erlangen University Hospital Center</p> <p>With all participants</p> <p><i>Discussion on Days 1 and 2 and the Digital Health Initiative</i></p>
<p>9:50 Georgia/Québec 11:50 São Paulo 15:50 Bavaria/Upper Austria 16:50 Western Cape 22:50 Shandong</p>	<p>Towards April 2022, September 2022 and beyond</p> <p>Closing</p> <p>Sebastian GOERS, Energieinstitut at the Johannes Kepler University Linz, Upper Austria</p> <p><i>RLS-Sciences next steps</i></p> <p>Representative, Government of Western Cape, Western Cape (TBC)</p> <p><i>Closing Remarks</i></p> <p>Florence GAUZY, Scientific Coordination Office Bavaria-Québec/Alberta International, Bavaria</p> <p><i>Closing Remarks</i></p>