

ESTP Workshop: IT/QA aspects of Digital Pathology

November 16-17, 2pm-6pm

List of Topics Covered – Agenda for the workshop to follow

Topic	Presenters
Lessons learned from previous ESTP DP workshop; STP initiatives, IMI QA literature, best practice to guide digital path, CSV GLP guidelines	Vanessa Schumacher Erio Barale Sabine Grote
IT Validation: everything you wanted to know but never dared to ask <ol style="list-style-type: none"> 1. Validation vs qualification vs calibration 2. Important QA aspects to consider in our cases (can we perform digital path in non GLP site if we have the proper validation/qualified equipment) 3. What type of calibration will be essential 4. Validation plan draft 	Frank Stieber Christoph Kramer Bill Varady
Digital pathology ideal workflow	Lise Bertrand Julie Boisclair Thorsten Schlueter Ron Menner
Metadata and associated data; integration with LIMs system and annotations tools <ol style="list-style-type: none"> a. Definition of essential metadata 	Brian Knight Erio Barale Thorsten Schlueter
Vendor: Hamamatsu	
Vendor: Olympus, Roche, Glencoe	
Vendor: Leica, Indica Lab, FFEI, Airamatrix,	
WSI acquisition/scanner qualification/validation/calibration: how does it look like?	Heike Marxfeld Christian Rapp
Pathologist's workstation <ol style="list-style-type: none"> a. How to work between sites and countries b. Special requirement associated with digital path for hardware (computer, monitor image refresh rate and color calibration, peripherals) how would the ideal peripherals look like? Could we develop such peripherals with a cie? 	Julie Boisclair Brian Knight Erio Barale Sebastien Laurent Chris Hayden
Color calibration along imaging chain; pathologist is in the driver's seat! What is a "faithful replicate" of a glass slide?	Vanessa Schumacher Brian Knight Deon Hildebrand Charlotte Maria Dalsgaard Chris Hayden
Bandwidth and Storage (hot vs cold, Cloud validation	Heike Marxfeld

demystification	Martin Wolf Maarten Vergauwen
GLP Archival a. Use of archived digital images for other purposes b. Data archival, time Report back from Archival in public Cloud storage HAs meeting in July	Thorsten Schlueter Christian Rapp Tom Forest Sabine Grote
Data integrity along the image chain Slide deck on sharepoint site File transfer and format (raw image, compression, conversion, etc) a. Overview b. Scanner format c. DICOM, metadata and annotations carry over d. Alotrope e. HDF5	Bill Varady Sabine Grote Ron Menner Bhupinder Singh Bawa
Minimal concordance study a. non inferiority	Tom Forest Julie Boisclair Jon Carter
Definition of Minimum user requirements (technician, pathologist, archivist, data ownership, IT, data scientist)	Steen Jorgen Ostergaard

Expert Workshop Participants

<p>Erio Barale, Janssen Bhupinder Bawa, Abbvie Julie Boisclair, Novartis Patric Burkhardt, Roche Jonathan Carter, Covance Charlotte Dalsgaard, Novo Nordisk Celine Contet, Sanofi Christian Rapp, Merck Thomas Forest, Merck Deon Hildebrand, GSK Anja Gilis, Janssen Thibault Roguet, ANSM Heike Antje Marxfeld, BASF Gundi Mueller, Merck Jan Baumann, Merck Kevin Keenan, GSK Brian Knight, Boehringer Ingelheim Christoph Kramer, Novartis Linzi Gillbanks, Covance Lise Bertrand, CRL Ronald Menner, Pfizer Thorsten Schleuter, Bayer</p>	<p>Martin Wolf, Abbvie Matt Jacobsen, AstraZeneca Roberta Loughins, GSK Vanessa Schumacher, Roche Sabine Grote, Abbvie Sebastien Laurent, Sanofi Steen Ostergaard, Novo Nordisk Thamas Kallal, Abbvie Timo Daniel, Abbvie Oliver Turner, Novartis Maarten Vergauen, Janssen William Varady Boehringer Ingelheim Yaniv Cohen, Roche Christian Zeugin, Novartis Ellen Kneer, Boehringer Ingelheim Fra Lugarini, Janssen Nicolas Rudinger, Bayer Richard Spehar, Janssen Kathleen Stango, Novartis Wolfgang Kalsch, Boehringer Ingelheim Markus Haak, Roche Joel Aguetant, Sanofi Andreas Popp, Abbvie</p>
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