

► Sunday, 8 September 2019

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CP-01 1-Day CP Symposium Clio
08:30–12:00
Morning Session
Chair: Jeroen van der Laak, The Netherlands

001 08:30–09:30
 Clinical-grade artificial intelligence: hype or hope for cancer care
Thomas Fuchs, USA

002 10:30–11:00
 Deep learning the spatial and molecular heterogeneity of tumour immune response
Yinyin Yuan, United Kingdom

003 11:00–11:30
 Building an AI school for pathology: workflow for Human-AI interfaces
Scott Doyle, USA

004 11:30–12:00
 Predicting oncogenic driver mutations directly from histology with deep learning
Jakob Kather, Germany

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CP-02 1-Day CP Symposium Clio
14:45–16:45
DPA Session
Chair: Darren Treanor, United Kingdom

001 14:45–15:25
 Embracing digital and computational pathology: a calling for pathologists as leaders in precision medicine
Marilyn Bui, USA

002 15:25–16:05
 Embedding AI into digital pathology workflows
Liron Pantanowitz, USA

003 16:05–16:45
 Enhancing digital pathology with artificial intelligence
Francesco Ciompi, The Netherlands



CP-03 1-Day CP Symposium Clio
17:15–19:15
Selected Abstracts
Chair: Nasir Rajpoot, United Kingdom

001 17:15–17:30
 Deep learning enables fully automated mitotic density assessment in breast cancer histopathology
Maschenka Balkenhol, The Netherlands
P. Bult, D. Tellez, W. Vreuls, P. Clahsen, F. Ciompi, J. van der Laak

002 17:30–17:45
 Automated grading of urothelial cell carcinoma of the bladder
Ilaria Jansen, The Netherlands
M. Lucas, J. Bosschieter, S. Meijer, O. de Boer, T. van Leeuwen, H. A. Marquering, J. A. Nieuwenhuijzen, D. de Bruin, C. Savci-Heijink

003 17:45–18:00

Unsupervised anomaly detection: application to colorectal liver metastasis

Ahmed Serag, *United Kingdom*
P. Maxwell, J. Diamond, A. Ion-Margineanu, A. Kennedy, R. McMillan, H. Qureshi, M. Saint Martin, M. Salto-Tellez, P. Hamilton, P. O'Reilly

004 18:00–18:15

Automated Ki67 hot-spot detection and analysis leads to higher Ki67 proliferation indices

Mieke Zwager, *The Netherlands*
T. Koopman, H. Buikema, D. Omanovic, A. Schnau, H. Klingberg, B. van der Vegt

005 18:15–18:30

U-Net ensembles for accurate classification of oesophageal adenocarcinoma

Bryan Cardenas Guevara, *The Netherlands*
V. van Oijen, D. Worrall, K. de Laat, M. van der Wel, M. Lucas, I. Jansen, H. Marquering, D. de Bruin, D. Savci-Heijink, O. de Boer, S. Meijer

006 18:30–18:45

Artificial intelligence driving automated pathology: iCAIRD and beyond

Peter Caie, *United Kingdom*
N. Dimitriou, I. P. Nearchou, O. Arandjelovi, D. Harrison

007 18:45–19:00

Implementation of the ContextVision INIFY™ tool for the automatic detection of prostatic cancer in a fully digital routine workflow

Filippo Fraggetta, *Italy*
S. Lioni, G. Giuffrida, C. Emmanuele, P. Pepe

PS-CP-01**1-Day CP Symposium****09:30–10:30****Agora 3****Poster Session**

Chair: Francesco Ciompi, Italy

001

Can image recognition techniques on whole slide images of colorectal polyps help in the identification of areas of high grade dysplasia?

Pascale De Paepe, *Belgium*
J. Van Huysse, A. Driessen, P. Niville, W. Van Laer, K. De Wolf

002

Low discordance rate of digital diagnostics of histopathology compared to conventional microscopy – results from 1048 cases in a validation study

Sofia Jarkman, *Sweden*
A. Bodén, B. Williams, J. van der Laak, D. Treanor

E-PS-CP-01**1-Day CP Symposium****E-Posters****001**

Up-converting nanoparticles as a tool for histopathological tissue evaluation with multiplexing and machine learning potential

Krzysztof Krawczyk, *Sweden*
S. Andersson-Engels, A. Sjögren

003

Nuclei segmentation of immunohistochemically stained slides using transfer learning from classical histopathological domain

Adrian Ion Margineanu, *United Kingdom*
A. Serag, H. Qureshi, R. McMillan, M. Saint Martin, A. Kennedy, J. Diamond, M. Salto-Tellez, P. Maxwell, P. O'Reilly, P. Hamilton