

PathLAKE
Computational Pathology Excellence

Benchside to Bedside: the implementation of digital pathology into routine practice

A free online conference

Thursday 9 September, 13:00 to 16:30 (UTC+1)

Register now at www.pathlake.org/conference21



Organised by University of Nottingham for PathLAKE

Benchside to Bedside: the implementation of digital pathology into routine practice

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Join us online as we discuss how digital pathology can be implemented into routine practice.

We've brought together leaders in the field to share their experience and give expert advice on topics ranging from NLP through to regulatory approval.

Running alongside Cirdan's Pathology Horizons event, it is aimed at pathologists, clinicians, lab teams and computer scientists. Delegates in career grade posts who are enrolled with one of the Royal Colleges for CPD purposes and who attend the meeting will be entitled to receive 4 CPD credits.

Register now for your free place and join us online:

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About PathLAKE

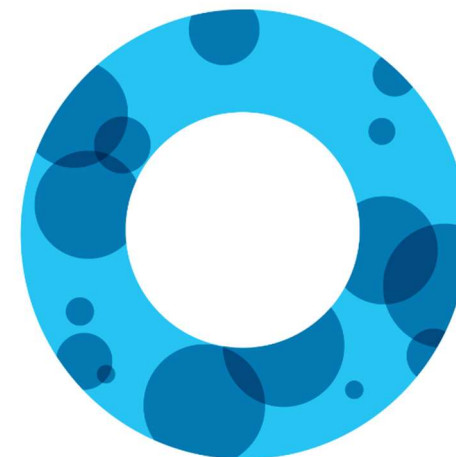
PathLAKE is one of five Centres of Excellence in digital pathology and medical imaging.

Supported by a £50 million investment from the Data to Early Diagnosis and Precision Medicine strand of the Industrial Strategy Challenge Fund, it is managed and delivered by UK Research and Innovation (UKRI).

The PathLAKE project will deliver high-impact exemplar projects reflecting today's demand for AI-driven diagnostics to increase efficiency in pathology reporting and improve patient outcomes through advanced diagnostics and selection of patients for personalised medicine.

The PathLAKE consortium comprises leading NHS Trusts and UK universities in collaboration with industrial partners at the forefront of computational pathology innovation.

The PathLAKE conference runs alongside Cirdan's Pathology Horizons conference (9-11 September).

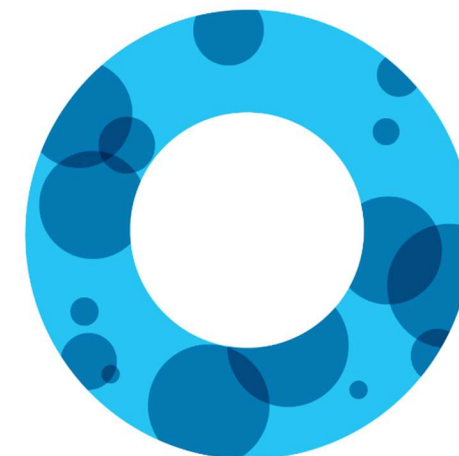


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Programme

Time	Talk	Speaker
13:00 – 13:20	PathLAKE and the Generation of AI Tools for Cellular Pathology	Professor David Snead Director, PathLAKE
13:20 – 13:45	How a 3rd Party Algorithm Can Be Incorporated Into an Eco System	Ardie Ermers Global Business Leader, Radiation Oncology & Digital Pathology, Philips
13:45 – 14:00	Natural Language Processing: Unlocking data to provide actionable insights.	Phil Brierley Director - Cancer Informatics, Inspirata
14:00 – 14:20	Regulatory Mechanisms and Tools for Software as a Medical Device	Dr Brandon Gallas FDA
14:20 – 14:35	Break	
14:35 – 15:00	Integrating Digital Diagnostics into Clinical Practice to Maximise Patient Impact	Patricia Raciti, MD Pathologist, Paige
15:00 – 15:20	The Implementation of AI in Radiology. Ready for the big time?	Fergus Gleeson FRCP FRCR Professor of Radiology Consultant Radiologist Oxford University Hospitals NHS Trust
15:20 – 15:40	Sustainable, Resilient, and Ready: Creating a responsible data innovation ecosystem for digital pathology	Dr David Leslie Ethics Theme Lead, The Alan Turing Institute
15:40 – 16:30	Open Q&A session	All Speakers
16:30	Close	



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Our speakers



David Snead

Professor Snead is a consultant cellular (anatomical) pathologist at the University Hospitals Coventry and Warwickshire NHS Trust and Professor of Pathology at the University of Warwick. He is the founding director of PathLAKE, one of five Innovate UK funded centres of excellence for the development of artificial intelligence in digital pathology and radiology.



Phil Brierley

Phil Brierley has been supporting the NHS with technology adoption for over 10 years. His experience ranges from back-office finance systems to mental health EPRs, medical imaging and diagnostics, and more latterly AI in oncology and genomics. This experience has been gained working with leading UK and global health technology providers including Civica and IBM. Phil now leads on NLP adoption for Inspirata Europe.



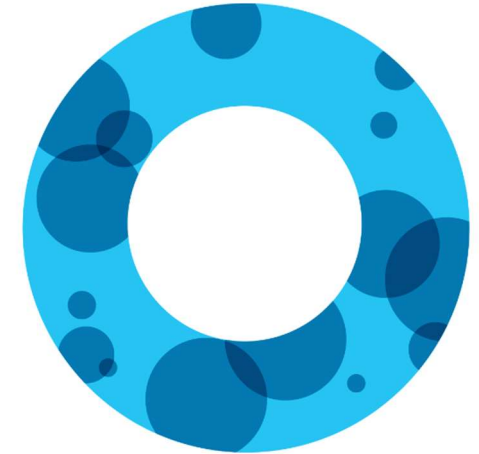
Patricia Raciti

Board certified in Anatomic and Clinical Pathology as well as Hematopathology and Dermatopathology, Dr Raciti is a practising general pathologist as well as Pathologist at Paige since 2018. Her interests and expertise are in developing and studying machine learning algorithms applied to digital pathology.



Fergus Gleeson

Professor Gleeson trained in Cambridge, London and Los Angeles. He has published over 200 peer reviewed papers, and has held over £20 million in grants. He is the Chief Medical Officer of the National Consortium of Medical Imaging, and is the chief investigator for IDEAL, a prospective multicentre study comparing the use of an artificial intelligence algorithm in the diagnosis of pulmonary nodules compared to current guidelines, and DART, a multiomic AI study in Lung Cancer Screening. He is the current President of the European Society of Thoracic Imaging.



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David Leslie

Dr David Leslie is the Ethics Theme Lead within the public policy programme at the Alan Turing Institute. He is the author of the UK Government's official guidance on the responsible design and implementation of AI systems in the public sector, *Understanding artificial intelligence ethics and safety* (2019) and a principal co-author of *Explaining decisions made with AI* (2020), a co-badged guidance on AI explainability published by the Information Commissioner's Office and the Alan Turing Institute.



Brandon Gallas

Brandon D. Gallas provides mathematical, statistical, and modelling expertise to the evaluation of medical imaging devices at the FDA. His main areas of research are image quality, computer-aided diagnosis, imaging physics, and the design, execution, and statistical analysis of reader studies (<https://github.com/DIDSR/iMRMC/releases>), (<https://cran.r-project.org/web/packages/iMRMC/index.html>).

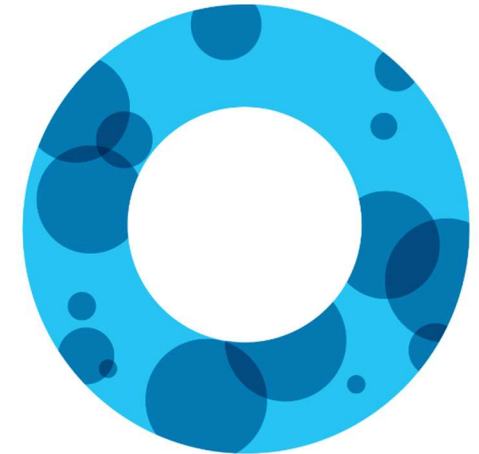
Recently, he has been investigating pathologist performance and agreement using whole slide imaging devices and the microscope (<https://ncihub.org/groups/eedapstudies>). These studies are enabled by an evaluation environment that registers the digital images to the glass slides (<https://github.com/DIDSR/eeDAP/releases>).

Dr Gallas also participates in the [Pathology Innovation Collaborative Community](#), a regulatory science initiative to harmonise and standardise digital pathology processes to speed up innovation to patients.



Ardie Ermers

Ardie Ermers is Global Business Leader (Radiation Oncology & Digital Pathology) at Philips.



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