

TWO-DAY WORKSHOP

From Zero to Hero

Federated AI in Healthcare Systems

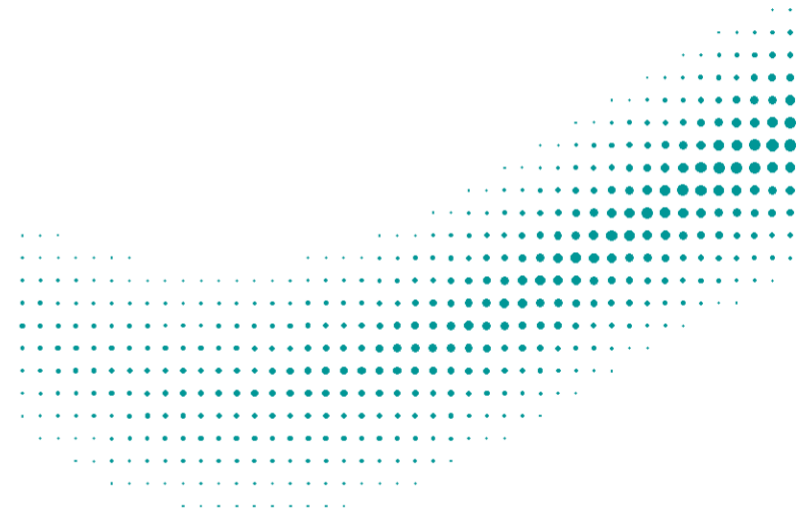
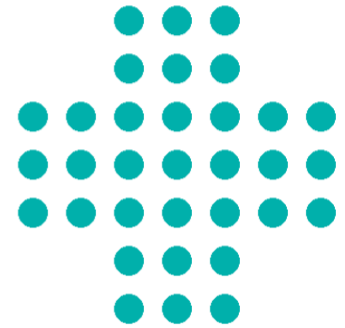
24–25 August 2026 · St John's College, Cambridge

Old Divinity School, Cambridge CB2 1TP, United Kingdom

exclusive sponsor



Flower



DAY 1 · MONDAY

24 August 2026

09.15 - 09.40 REGISTRATION & WELCOME COFFEE

chair **Daniel Kreuter**

09.40 - 09.45 **Opening remarks**
Fan Zhang & Daniel Kreuter

09.45 - 10.20 **Keynote 1: Real-world federated AI development in healthcare**
André Dekker, Maastricht UMC & Maastricht Clinic

10.20 - 10.45 **FAIR AI for Personalised Ovarian Cancer Care — AAIMC-OC pilot**
Elaine Leung, University of Birmingham

10.45 - 11.35 COFFEE BREAK

chair **Elaine Leung**

11.35 - 12.00 **Trust Infrastructure for Clinical AI**
Zamzam Mahmoud, Entrepreneurs First / LSE

chair **Gregory Verghese**

12.00 - 13.00 **Panel 1: From pilot to practice: deploying federated AI inside real clinical systems**
Shiqiang Wang · André Dekker · John Smith · Elaine Leung

13.00 - 14.05 LUNCH

chair **Fan Zhang**

14.05 - 14.30 **Live demo: Flower SuperGrid for Distributed AI Applications in Healthcare**
Javier Fernandez-Marques, Flower Labs

14.30 - 14.55 **Live demo: Federated Learning in PharosAI: Building a Secure Platform for Collaborative Cancer AI**
Concetta Piazzese, Barts Life Sciences

14.55 - 15.45 COFFEE BREAK

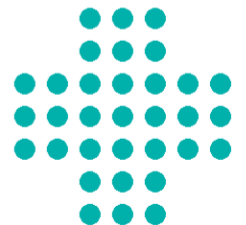
chair **Javier Fernandez-Marques**

15.45 - 16.20 **Keynote 2: Lessons learned from the UK–US federated analytics pilot**
Mark Durkee, Government Digital Service

16.20 - 16.45 **Federated Learning Pipeline in Breast MRI images (PharosAI PoC1)**
Bangxiang Guan, Barts Life Sciences

16.45 - 17.10 **Advancing Federated AI for Wearable Digital Health: From Population Intelligence to On-Device Personal Agents**
Bing Luo, Duke Kunshan University

18.30 EVENING NETWORKING EVENT



DAY 2 • TUESDAY

25 August 2026

09.30 - 10.00 REGISTRATION & WELCOME COFFEE

chair **Gregory Verghese**

10.00 - 10.30 **Keynote 3: Understanding and managing risks in federated machine learning environments**

Carsten Maple, University of Warwick

10.30 - 10.55 **Towards Federated Learning for Soft Assistive Exosuit Control**

Huw Day, University of Bristol / The VIVO Hub

chair **Fan Zhang**

10.55 - 11.20 **Live demo: FLIP: a reusable, general-purpose open-source FL platform**

Rafael Garcia-Dias, King's College London

chair **Nic Lane**

11.20 - 12.20 **Panel 2: Scaling out: the limits of federated AI in healthcare today, and where it goes next**

Rafael Garcia-Dias · Olaoluwa Ademolu · Carsten Maple · Bing Luo

12.20 - 13.20 LUNCH

\$ zero-to-hero

Hands-on Tutorial

Bring your own laptop.

13.20 - 14.40 **Session 1: A local healthcare model training example**

Daniel Kreuter, Queen Mary University of London

14.40 - 14.55 AFTERNOON TEA

14.55 - 16.15 **Session 2: From local to federated learning using Flower**

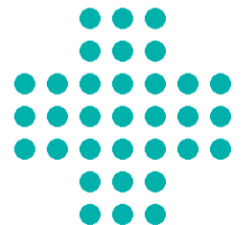
Javier Fernandez-Marques, Flower Labs

16.15 - 16.30 COFFEE AND TEA

16.30 - 17.30 **Session 3: Automation and deployment**

Barry Quigley, ServisBOT

17.30 - 17.40 CLOSING REMARKS & CERTIFICATES



Organising Committee

Fan Zhang

Department of Applied Mathematics and Theoretical Physics, University of Cambridge, UK

Daniel Kreuter

Precision Healthcare University Research Institute, Queen Mary University of London, UK

Shiqiang Wang

CORE-Alx, Department of Computer Science, University of Exeter, UK

Gregory Verghese

PharosAI, UK

Nicholas Lane

Flower Labs & Department of Computer Science and Technology, University of Cambridge, UK

Kapal Dev

Department of Computer Science, Munster Technological University, Ireland.

Javier Fernandez-Marques

Flower Labs, UK

Carola-Bibiane Schönlieb

Cambridge Image Analysis, Department of Applied Mathematics and Theoretical Physics, University of Cambridge, UK

Michael Roberts

BloodCounts! & Department of Applied Mathematics and Theoretical Physics, University of Cambridge, UK

Venue & Practicalities

St John's College, University of Cambridge

Old Divinity School, Main Lecture Theatre

St John's Street, Cambridge CB2 1TP, UK

getting there

Walk	approx. 30 minutes from Cambridge railway station.
Bus	Universal (U) and Citi services run from the station to the city centre.
Cycle	approx. 10 minutes from Cambridge station; Voi e-bikes are available near the station.
Drive	no parking on site. Please use the Park & Ride locations.

on the day

Certificates of attendance will be issued to all participants at the close of the workshop.

Please bring your own laptop for the Zero to Hero tutorial on Day 2.

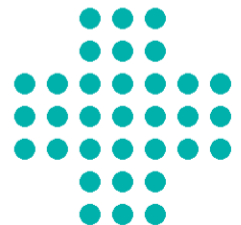
wifi

Select the **UniOfCam-Guest** network, then accept the terms of use on the sign-in page that opens in your browser. No account or registration is needed.

Visitors from participating institutions can also use eduroam.

help.uis.cam.ac.uk/service/wifi/connect-to-uniofcam-guest

EVENT LINK: luma.com/mm2ruxjk



KEYNOTE SPEAKERS



KEYNOTE 1 • MON 24 AUG, 09.45

André Dekker

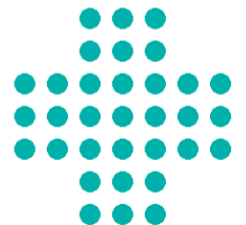
Professor of Clinical Data Science

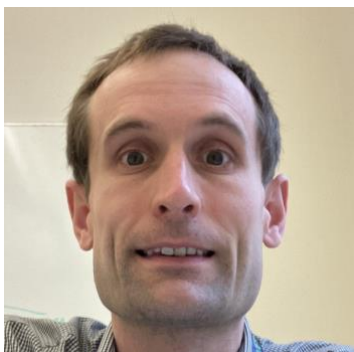
Maastricht University Medical Centre and Maastricht Clinic, the Netherlands

Real-world federated AI development in healthcare

BIO

Prof. Andre Dekker, PhD, is a medical physicist and Professor of Clinical Data Science at Maastricht University Medical Center and Maastricht Clinic in The Netherlands. His Clinical Data Science research group focuses on federated FAIR data infrastructures, AI for health outcome prediction models, and applying AI to improve the health of patients and citizens. He has authored more than 300 publications, mentored more than 50 PhD students, and holds multiple awards and patents in federated data and AI.





KEYNOTE 2 • MON 24 AUG, 15.45

Mark Durkee

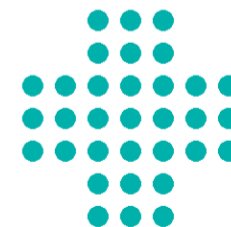
Head of Data Architecture

Government Digital Service, UK

Lessons learned from the UK–US federated analytics pilot

BIO

Mark Durkee is Head of Data Architecture at the Government Digital Service, leading work to enable responsible access to data across the public sector, including work on novel privacy enhancing technologies. He was previously part of the team that created the recent Blueprint for Modern Digital Government, and led a range of work on responsible use of AI and digital technologies including the Centre for Data Ethics & Innovation's independent review into bias in algorithmic decision-making and the Algorithmic Transparency Recording Standard. He has spent over a decade working in a variety of technology strategy, architecture and cyber security roles within the UK government, and previously worked as a software engineer and completed a PhD in Theoretical Physics.





KEYNOTE 3 • TUE 25 AUG, 10.00

Carsten Maple

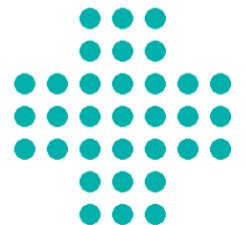
Director

NCSC-EPSRC Academic Centre of Excellence in Cyber Security Research, University of Warwick, UK

Understanding and managing risks in federated machine learning environments

BIO

Carsten is Professor of Cyber Systems Engineering at the University of Warwick. He is also Director for Research Innovation at EDGE-AI, the National Edge Artificial Intelligence Hub, and a Professor and Fellow of the Alan Turing Institute, where he is a principal investigator on a \$9 million project developing trustworthy digital infrastructure.



Panel Discussions

PANEL 1 · MON 24 AUG, 12.00 - 13.00

From pilot to practice: deploying federated AI inside real clinical systems



Shiqiang Wang

Professor of Artificial Intelligence

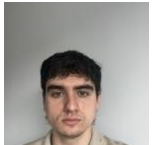
CORE-AIx, Department of Computer Science, University of Exeter, UK



André Dekker

Professor of Clinical Data Science

Maastricht UMC+ and Maastricht Clinic, the Netherlands



John Smith

Lead Security Architect

Government Digital Service & Researcher, Loughborough University London, UK



Elaine Leung

Project Lead

University of Birmingham, UK



chair

Gregory Verghese

Co-Founder and CTO

PharosAI, UK

PANEL 2 · TUE 25 AUG, 11.20 - 12.20

Scaling out: the limits of federated learning today, and where it goes next



Rafael Garcia-Dias

Senior AI Engineer on Federated Learning

Department of Biomedical Engineering, King's College London, UK



Olaoluwa Ademolu

Lead Cloud Engineer

Barts Health NHS Trust | PharosAI



Carsten Maple

Director, NCSC-EPSC Academic Centre of Excellence in Cyber Security Research

University of Warwick, UK



Bing Luo

Professor

Duke Kunshan University, China



chair

Nicholas Lane

Co-founder & Chief Scientific Officer

Flower Labs, UK

