



## Webinar Series: **STEM in Healthcare**

Academic excellence for  
business and the professions

# Webinar 3: **Artificial Intelligence in Healthcare**

**11:00 - 12:00 on Thursday, 16<sup>th</sup> September 2021**

Webinar chair: Dr Eduardo Alonso, Director Artificial Intelligence  
Research Centre (CitAI), City, University of London

### Organisers:

School of Mathematics, Computer Science and Engineering, City, University of  
London and the Institute of Physics and Engineering in Medicine (IPEM), UK



**This is City.**



## Programme:

- 11:00 – 11:02 Introduction and Opening Remarks (Chair)
- 11:02 – 11:17 Constantino Carlos Reyes-Aldasoro, “Analysis of cancer cells with Artificial Intelligence and Human Intelligence”
- 11:17 – 11:32 Christina Malamateniou, “AI in Radiography, the beauty is in the AI of the beholder”
- 11:32 – 11:47 Giacomo Tarroni, “Learning to tell wrong from right: detecting anomalies in medical images without expert supervision”
- 11:47 – 12:00 Q & A session (Chair)

## Background:

Over the decades the contribution of Science, Technology, Engineering, and Mathematics (STEM), in healthcare has been meteoric. STEM experts in partnership with healthcare professionals have been at the forefront of innovation, contributing significantly in tackling global health challenges. A perfect example of this is the clinical engineering contribution to the NHS during Covid-19. The nature of the contribution of STEM in healthcare is multifaceted. These, amongst many, include contribution to new knowledge relating to disease; innovation of new technologies for the better monitoring and consequently diagnoses and treatment of disease improving patient outcomes; novel and intelligent processes enabling a better and safer running of our National Healthcare System, etc.

The primary motivation of these seminar series is to expose and stimulate our community with some of the most exciting and cutting-edge research and innovation of STEM in healthcare.

## The webinar series presented in 2021 will include:

- Webinar 1: **Sensor Technologies in Healthcare** – 18<sup>th</sup> March 2021
- Webinar 2: **Cyber Security in Healthcare Practices** – 17<sup>th</sup> June 2021
- Webinar 3: **Artificial intelligence in Health Practices** – 16<sup>th</sup> September 2021
- Webinar 4: **Technology challenges in Healthcare** – 11<sup>th</sup> November 2021

## Presenters:



“Analysis of cancer cells with Artificial Intelligence and Human Intelligence”

Dr Constantino Carlos Reyes-Aldasoro

Senior Lecturer School of Mathematics, Computer Science and Engineering City, University of London



“AI in Radiography, the beauty is in the AI of the beholder”

Dr Christina Malamateniou, PhD MA (Cl. Ed) MAcadMed DIC BSC (Hons) SFHEA

Director of the Postgraduate Programme in Radiography, Division of Radiography and Midwifery School of Health Sciences, City, University of London



“Learning to tell wrong from right: detecting anomalies in medical images without expert supervision”

Dr Giacomo Tarroni

Lecturer in Artificial Intelligence, CitAI Research Centre, School of Mathematics, Computer Science and Engineering City, University of London

For full details of the Event and Presenters' biographies please follow this link:  
<https://www.city.ac.uk/news-and-events/events/2021/09/webinar-series-stem-in-healthcare-artificial-intelligence-in-healthcare/>