

**Twinning to Skyrocket Scientific Excellence Towards Individual
Radiosensitivity Prediction by Raising the Bar in Knowledge
Transfer, Networking, and Technological Innovation in
Radiobiology**

**RadExIORSBoost Project Training
PROGRAMME**

**Radiogenomics and basic principles of
machine learning models in radiobiology**

18 – 20th May 2026

**University of Leicester, University Road, Leicester,
LE1 7 RH, UK.**

Monday 18th May 2026

Engineering Building, MacLellan (4th Floor) Campus map - University of Leicester

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|----------------------|---|
| 10:00 - 10:30 | Welcome to Leicester – Profs Chris Talbot & Eamonn Mallon |
| 10:30 - 11:10 | Dr Bo Wang – advanced statistical methods for longitudinal data |
| 11:10 - 11:40 | Dmitrii Lebedev - Breast image analysis using AI |
| 11:40 – 12:20 | Dr Tim Rattay – Analysis of patient reported outcomes |
| 12:30 – 13:30 | Lunch |
| 13:45 – 14:15 | Abeer Al-Janapy – Machine learning approaches to predicting radiotherapy toxicity |
| 14:15 – 14:45 | Dr Yang Hu – AI in computational pathology |
| 14:45 – 15:30 | Prof Huiyu Zhou – AI methods for Biomedical Image processing |
| 15:30 – 15:45 | Coffee Break |
| 15:45 – 16:30 | Dr Genovefa Kefalidou – Human computer interaction and evaluation |
| 16:30 - 16:45 | Concluding remarks and discussion |
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| 19:00 | Dinner – Wygeston House |



Tuesday 19th May 2026

Lecture Theatre 2, Maurice Shock Building [Campus map - University of Leicester](#)

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|----------------------|--|
| 09:00 - 09:45 | Dr Vicki Emms - AI methods in PRE-ACT |
| 09:45 - 10:30 | Dr Adam Webb – Machine learning and circadian rhythm effects |
| 10:30 – 11:00 | Coffee break |
| 11:00 – 12:00 | Dr Lynne Howells – Biomarker development – from lab to clinic |
| 12:15 – 13:15 | Lunch |
| 13:30 – 14:30 | Research Enterprise Division - Achieving Impact in research |
| 14:30 – 15:15 | Prof Chris Talbot - Applying Agentic AI to clinical decision-making in the ABIGAIL4D project |
| 15:15 – 15:30 | Concluding remarks and discussion |



Wednesday 20th May 2026

Lecture Theatre 2, Maurice Shock Building [Campus map - University of Leicester](#)

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|----------------------|---|
| 09:00 - 09:45 | Dr Esther Moss – Diagnostic ctDNA test for Endometrial Cancer |
| 09:45 – 10:30 | Dr Becky Allsopp – Liquid biopsies |
| 10:00 – 10.30 | Coffee Break |
| 10.30 – 11.20 | General Assembly |
| 11:20 -12:10 | Future funding opportunities round table discussion |
| 12:30 – 13:30 | Lunchtime seminar Prof Don Jones - proteomics |
| 13:30 -14:30 | Lunch |
| 15:00 - 15:30 | Concluding remarks and discussion |