A versatile high-speed radiation detection platform

**Introduction**
- X-rays are high energy light (photons), a type of radiation
- X-rays are used for non-invasive medical imaging
- Currently, color information of the x-rays is not used because of the detector equipment used
  - The new Medipix3 detectors are able to capture multiple colors simultaneously!

**What is my project about?**
- Developing and characterising the Medipix3 detector platform
- Finding out how to incorporate the colour information into x-ray CT (Computed Tomography) scans
- Helping the other OMA (Optimisation of Medical Accelerators) fellows by pushing the state-of-the-art detector technology

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**Maria Skłodowska-Curie (A.K.A. Marie Curie)** was a Polish-French physicist and chemist. She pioneered research into radioactivity, discovering the elements polonium and radium.

她说: “During World War I, she developed mobile radiography units to provide x-ray services to field hospitals.”

她说: “She was the first woman to win a Nobel Prize, the first person and only woman to win twice, the only person to win a Nobel Prize in two different sciences, and was part of the Curie family legacy of five Nobel Prizes.”

**Computed Tomography reconstruction**

**Colourful x-rays**

**Navjit Bal**

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