

## Abina Crean, Co-PI

- Lecturer in Pharmaceutics, University College Cork
- Member of Pharmaceutical Society of Ireland
- Industrial experience
- Heads a research team of PhD students and PDRAs

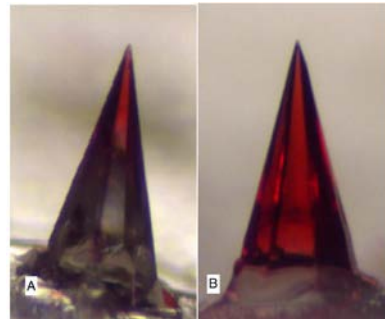


## Research Field

- Advancing formulation design and manufacture
- Tablet/capsules – managing excipient variability in batch and continuous processes
  - Enhancing oral bioavailability- potential of high surface area silicas for dissolution enhancement
  - Lyophilised protein formulations – developing high concentration formulations
  - Dissolvable microneedle design
  - Drug formulations for the older patient

## Scientific Impact

- 42 peer-reviewed publications and review articles
- H-index of 14
- > 600 citations
- 3 patent applications (1 industry collaboration)



## Technological Impact

- Drug substances (simple or complex) require suitable formulation to be administered to patients  
Intelligent formulation design is impactful;
- Patients: simplify administration, improve patient compliance and optimized health outcomes
  - Manufacturers: quality medicines, robust manufacturing processes, process and product understanding required for regulatory compliance