

Dark Matter Density

Gas Density

# Unravelling the Dark Matter Mystery

IPPP, Durham University  
12-16 March 2018

# Overview

- **Discuss and share** new developments and ideas in the search for Dark Matter.
- **Get together** to tackle important open problems. Initiate new collaborations among participants.
- **Format:** two talks per day, followed by in depth discussion.
- **Focus:** on a small number of areas/projects.

# Main topics

## Sub-GeV Dark Matter

- Direct detection
- Indirect detection

## Axion Miniclusters

## Self-interacting Dark Matter

- Model building
- Simulations

## Velocity dependent Dark Matter annihilation

# Timetable

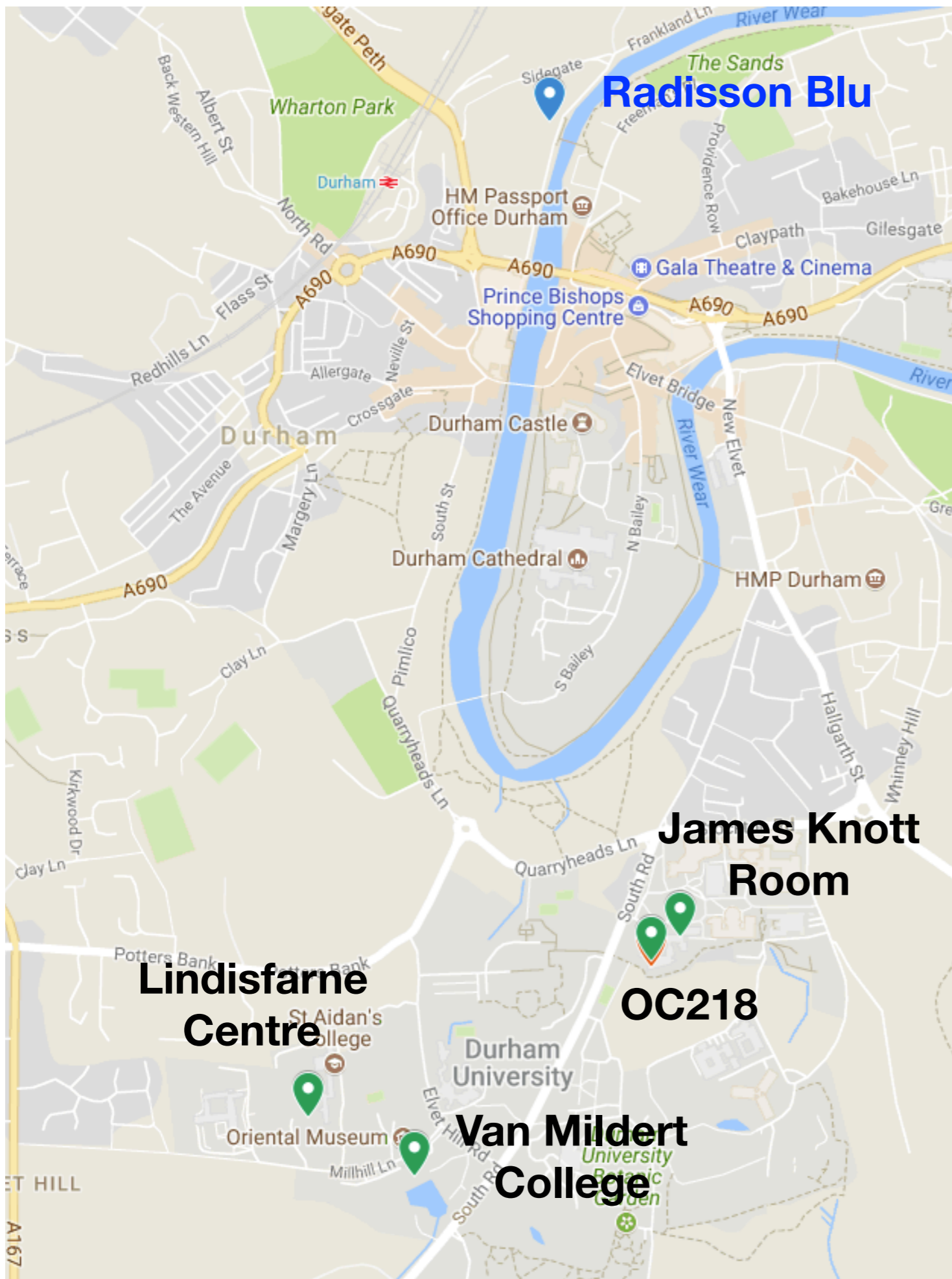
## Morning Session (9:30 - 11:30)

9:30 - 10:00	Coffee
10:00 - 11:30	Talk and Discussion

## Afternoon Session (14:00 - 16:00)

14:00 - 15:30	Talk and Discussion
15:30 - 16:00	Coffee

- **Thursday:** IPPP Seminar at 14:00, followed by a talk at 15:00
- **Friday:** Only Morning session



- **Monday:**
  - Lindisfarne Centre (morning)
  - James Knott Room (afternoon)
- **Tuesday:**
  - Van Mildert College
- **Wednesday:**
  - James Knott Room (morning)
  - OC218, IPPP (afternoon)
- **Thursday**
  - Van Mildert College (morning)
  - OC218, IPPP (afternoon)
- **Friday:**
  - James Knott Room

# Office Space & Meeting Room

- **Office Space:** IPPP 3rd Floor Seminar Room OC304
- **Meeting Rooms:**
  - Monday 12<sup>th</sup> March - PHI57
  - Tuesday 13<sup>th</sup> March – OCW116
  - Wednesday 14<sup>th</sup> March – PHI57
  - Thursday 15<sup>th</sup> March - OCI03 only till 5pm.



# Excursion & Workshop Dinner



- Excursion at 11:30 - 2 pm on **Thursday**: Cathedral and/or Castle (*optional tour at 1:15 pm*)

- Dinner at Finbarr's on **Tuesday** at 7:30 pm  
(*Aykley Head's House, DHI 5TS*)



*Thank You!*

