



## Hydrodynamical simulations of galaxy formation (No 1649)

📅 03.07.2020 ⌚ 12:00 - 12:30 🗨️ Plenary talk  
🔗 Friday Plenary

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In my talk, I will review the methodology and selected successes of recent hydrodynamical simulations of galaxy formation, and critically discuss some of the primary uncertainties in modelling strong, scale-dependent feedback processes. I will describe the role of supermassive black holes in the quenching transition and also highlight predictions for the structure of magnetic fields in galaxies, and the importance of cosmic rays in galaxy evolution. Finally, I discuss some of the challenges lying ahead in this field in the coming years.

