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ΣΕΜΙΝΑΡΙΟ

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Θέμα: **The AGN - star-formation connection: from X-rays to radio**

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Περίληψη:

One of the fundamental problems in modern cosmology is to understand the formation of galaxies, and their evolution through cosmic time. A significant bank of evidence has developed demonstrating the close connection between AGN and their hosts. Theoretical models suggest that this connection arise through feedback processes between the galaxy and its accreting black hole. Feedback from AGN has become a major component in understanding the evolution of galaxies. However, its role still remains hotly debated. In this context, I will discuss the results of my recent woks about the role of radio and quasar feedback to the AGN - star-formation connection using multi-wavelength observations and surveys from X-ray to radio bands (e.g. Chandra, SDSS, Herschel, VLA). Based on the current models suggested about the origin, the nature and the evolution of AGN I will approach the ongoing debate about whether star formation is different in the host galaxies of different type of AGN and how it is affected by the AGN activity and the presence - or not - of powerful radio-jets.