

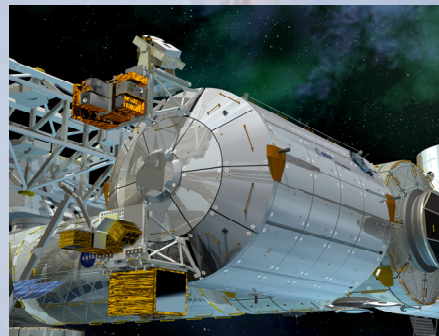
# European Space Agency Presentation

## Opportunities in ELIPS: European Programme in Life and Physical Sciences

Glasnevin, Dublin, May 28<sup>th</sup> 2008

### European Space Agency

The European Space Agency (ESA) is comprised of 17 member states, including Ireland. ESA has an annual budget of €3b, the majority of which is spent on developing enabling technologies for space science and exploration. The recent installation of ESA's Columbus Orbital Laboratory on the International Space Station now offers European researchers and SMEs an opportunity to conduct research under in the unique environmental conditions of space.



Columbus Orbital Laboratory

### ELIPS Programme

ESA's **European programme in Life and Physical Sciences** (ELIPS) is aimed at carrying out fundamental and applied research in life and physical sciences under microgravity conditions found onboard the International Space Station and by other means including parabolic flights, drop towers and sounding rockets. Although one of the major aims of ELIPS is to find scientific and technical solutions to enable long-duration human exploration in space, many societal benefits will accrue here on Earth as a result of this research in the shorter term. The ELIPS website can be accessed [by clicking here](#).

### Life Sciences Themes

- Biosensing and diagnostics
- Microfluidics and microarrays
- Detection of gases and pathogens
- Radiation biology and physiology
- Health care and human performance under extreme conditions
- Life-support and thermal control systems
- Food production in space
- Novel treatments for age-related diseases

### Opportunity

If you are an SME or a researcher with expertise in any of these areas then ESA would be interested in hearing from you! Collaboration between industry and academia is encouraged, and ESA will help in establishing networks. ELIPS projects are typically 100% funded and competitively tendered, with an overall budget of €70m per annum across all ESA member states.

**Dr Marc Heppener**, Head of Science & Applications Division at ESA, will give a presentation on the ELIPS programme to interested researchers and SMEs at **Enterprise Ireland, Glasnevin** on **May 28th 2008** at 11.30am.

If you would like to attend, please contact Dr Bryan Rodgers before May 14th 2008.

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