

ABC-Net Lecture plan for WS 2009 /2010 as agreed upon on October 13, 2009 during the EANA'09 Workshop in Brussels

| Lecture No. | Week | Date | Lecturer | Institution | Place of lecture | Title |
|-------------|------|-----------|---------------------------------|-----------------------|------------------------------------|---|
| 1a | 43 | 20.10.09 | Samuli Kotiranta | University of Turku | University of Turku | How to find a planet |
| 1b | 43 | 20.10. 09 | H. Lehto | University of Turku | University of Turku | Origin of the solar planetary system and the planet Earth |
| 1c | 43 | 20-10-09 | K. Lehto | University of Turku | University of Turku | (Hypothetical) features of the earliest life forms |
| 2a | 45 | 03 11 09 | Student (tbd) | University of Szcecin | University of Szcecin | TBD |
| 2b | 45 | 03 11 09 | E. Szcuskiewicz | University of Szcecin | University of Szcecin | Architecture and evolution of planetary systems |
| 2c | 45 | 03 11 09 | F. Ferrari | University of Szcecin | University of Szcecin | Structures and evolution of proteins |
| 3a | 47 | 17 11 09 | Student: Rosario Brunetto | University of Napoli | University of Napoli | Star dust results (tbc) |
| 3b | 47 | 17 11 09 | A. Rotundi | University of Napoli | University of Napoli | Comets and origin of life |
| 3c | 47 | 17 11 09 | R. Saladino | University of Viterbo | University of Viterbo | Prebiotic chemistry in non-terrestrial environments |
| 4a | 49 | 01 12 09 | Student (tbc) | St. Petersburg | ESTEC/ERASMUS or St. Petersburg | TBD |
| 4b | 49 | 01 12 09 | N. Gontareva | St. Petersburg | ESTEC/ERASMUS or St. Petersburg | Life origin: different theories and objectives for extraterrestrial/terrestrial emergence of biological systems |
| 4c | 49 | 01 12 09 | M. Sabbatini/R. Demets (TBC) | ESA/ESTEC | ESA/ESTEC | Space environment effects as detected after the return of the EuTeF facility |
| 5a | 51 | 15 12 09 | Student Marko Wassmann | DLR Köln | University of Dresden | Microevolution under UV stress |
| 5b | 51 | 15 12 09 | H. Stan-Lotter | Univ. Salzburg | University of Dresden | Extremophilic Microorganisms |
| 5c | 51 | 15 12 09 | P. Rettberg | DLR, Köln | University of Dresden | Desiccation and radiation resistance of thermophilic and hyperthermophilic bacteria and archaea |

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|----|---|----------|----------------|------------------------|-----------------------|---|
| 6a | 2 | 12 01 10 | Student (tbd) | TU Berlin | University of Dresden | TBD |
| 6b | 2 | 12 01 10 | H. Rauer | Tu Berlin | University of Dresden | Exoplanets, Planetary atmospheres |
| 6c | 2 | 12 01 10 | J. L. Grenfell | Tu Berlin | University of Dresden | Search for biomarker molecules in exoplanets |
| 7a | 4 | 26 01 10 | Student (tbd) | University of Dresden | University of Dresden | TBD |
| 7b | 4 | 26 01 10 | S. Fasoulas | University of Dresden | University of Dresden | Space Environment - A General Overview |
| 7c | 4 | 26 01 10 | T. Schmiel | University of Dresden | University of Dresden | Spacecraft Power Systems for Scientific Payloads |
| 8a | 6 | 09 02 10 | Student (tbd) | University of Paris 12 | CNES Paris | TBD |
| 8b | 6 | 09 02 10 | H. Cottin | University of Paris 12 | CNES Paris | Basic prebiotic chemistry |
| 8c | 6 | 09 02 10 | M. Viso | CNES Paris | CNES Paris | Planetary Protection |
| 9a | 8 | 23 02 10 | Student (tbd) | University of Paris 12 | CNES Paris | TBD |
| 9b | 8 | 23 02 10 | G. Tobie | University of Nantes | CNES Paris | Astrobiology of Jupiter's moons with emphasis on Europa |
| 9c | 8 | 23 02 10 | F. Raulin | University of Paris 12 | CNES Paris | Astrobiology of Saturn's moons with emphasis on Titan and Enceladus |

The following lectures should be followed at the ESA website: website (<http://streamiss.spaceflight.esa.int>) under “Lectures & Courses Series”

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|------------|-------------------|---|
| A. Brack | CNRS, Orleans | Astrobiology: From life on Earth to life in the Universe |
| C. Cockell | OU, Milton Keynes | Habitability in our solar system and beyond |
| M. Grady | OU, Milton Keynes | Astrobiology of terrestrial planets with emphasis on Mars |

Gerda Horneck, October 15, 2009, Scientific coordinator of ABC-Net