

# **FIRST ANNUAL CRUST DAY**

**Friday, 7 December 2007**

**LSE 204**

**9:30 a.m. Social & Continental Breakfast**

**9:45 a.m. Welcome**

## **10:00-12:00 PRESENTATIONS I: BIOGEOCHEMISTRY**

**10:00 a.m. Ruth Potrafka**, “Biogeochemistry of nitrogen fixation studied with stable isotope probing”

**10:20 Hilairy Hartnett**, “Biogeochemistry of Desert Crusts: Organic Carbon and Trace Element Dynamics”

**10:40 Katie Alexander**, “Molecular biology and organic carbon production in biological soil crusts,” Part I

**11:00 Jennifer Glass**, “Molecular biology and organic carbon production in biological soil crusts,” Part II

**11:20 Hugo Beraldi**, “Chemical and sedimentological signatures of cyanobacteria-derived structures”

**11:40 Sarah Strauss**, “Microbial colonization in recently exposed glacial forelands of the Antarctic Peninsula”

## **12:00-1:00 DISCUSSION AND PIZZA LUNCH**

## **1:00-2:20 PRESENTATIONS II: ECOLOGY & DIVERSITY**

**1:00 Nancy Grimm**, “Biological soil crusts and urban ecology”

**1:20 Scott Bates**, “Fungi associated with biological soil crusts: Assessing diversity by culture-independent methods”

**1:40 Ian Anderson**, “Presence of Archaea in biological soil crusts and their role in nitrification”

**2:20 DISCUSSION**

## **2:40-4:00 PRESENTATIONS III: ADAPTATIONS**

**2:40 Tanya Soule**, “Comparative genomics of scytonemin biosynthesis, a UV-A cyanobacterial sunscreen”

**3:00 Ferran Garcia-Pichel**, “Ropemaking cyanobacteria”

**3:40 DISCUSSION**