Contents BCAS Vol.28 No.2 2014



118-125

"Global science needs teamwork", Presidents of the Chinese Academy of Sciences and the Max-Planck-Gesellschaft agree in a joint interview.



128-129

"Having a diversity of backgrounds and approaches is one source of inspiration", Axel Mosig, who spent five years at the CAS-MPG Partner Institute for Computational Biology in Shanghai, shares his experience in this merging of research cultures.



133-137

Exploratory Round Table Conference: The initiation and growing path of a platform for new sci-

DIALOGUE

Global Science Needs Teamwork The Presidents of both research organisations, Prof. Bai Chunli and Prof. Peter Gruss, look back on the development of earlier decades, highlight past success and future challenges - and underline the importance of cooperation.

INTERVIEWS

- Commuting between Two Worlds
- Crystalise in CAS-MPG Chemistry

PERSPECTIVES

Exploratory Round Table Conferences: In Search of Emerging New Sciences

PHYSICS & ASTRONOMY

138 The First Building Blocks of the Universe

BIOLOGY & MEDICINE

- 142 Age Touches a Nerve
- Deep Sleep in the Arctic

MATERIAL & TECHNOLOGY

Wafer-Thin Electronics



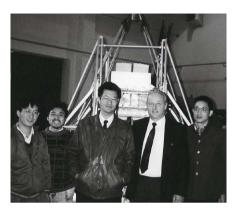
138-153

What are CAS and MPG scientists doing in cooperation? Let's go to their labs and follow their explorations.



154-197

Leaders of CAS-MPG Partner Groups and CAS-Max Planck Research Groups report their discoveries.



198-203

How we got here: Cherished memories from the CAS-MPG cooperation.

SPECTRUM

- 154 Intensification Mechanism and Processes
- 157 Carbon of Magical Structures
- 161 Seeing Faces and History through Human Genome Sequences
- 166 Tracking the Evolution of Galaxies
- 169 Interactions between Macromolecules and Membranes
- 173 Plant Nutrient Stealers
- 176 Exploring Novel Functional Compounds

- 181 Model Catalysts from Single Crystals to Nanocrystals/Nano-Composites
- 183 At Tip of Scanning Probe
- 185 Systems Biology Research of Photosyn thesis for Greater Crop Yields
- 188 Population Genomics Research of Human Admixture History and Local Adaptation
- 192 More than Skin Deep Understand Skin Biology by Means of Dermatogenomics
- 195 Living Matter in Crash Test: How Biomolecules Respond to Mechanical Forces

CHERISHED MEMORIES

- 198 "Per aspera ad astra"
- 199 Witness the Growth
- 200 Friendship Tied with the Milky Way
- 201 "Unforgettable Impressions"
- 202 "As You Sow, So Will You Reap"
- 203 Cooperation Catalyses