

Building High-Quality Research Through International Partnerships



MAX-PLANCK-GESELLSCHAFT



Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.
- an independent research organisation

Max Planck Society – Facts and Figures

- **Non-profit organization** under private law in the form of a (private) registered association
- Established in **1948** (successor of the *Kaiser Wilhelm Society*, founded 1911)
- President: Professor Dr. **Martin STRATMANN**



Prof. Dr. Martin Stratmann



17,000 employees, including 5,500 scientists plus approx. 4,650 PhD students, visiting scientists and student assistants (1.1.2014)



18 Nobel Prize Laureates since 1948
33 Nobel Prize Laureates since inception in 1911

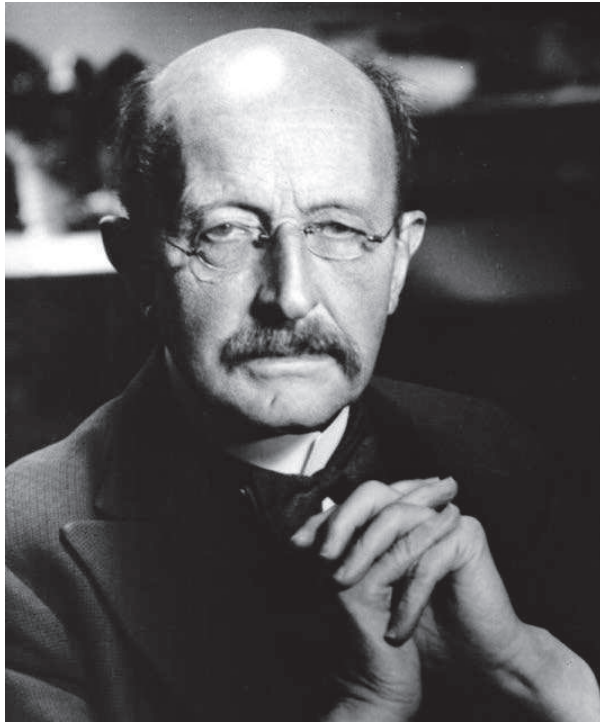
83 Max Planck Institutes, including 5 Institutes abroad



Annual budget: approx. **€ 1.6 billion** plus additional project funding
15,000 peer reviewed articles/year
2nd most cited institution worldwide (1st: Harvard University)
20 Mio. Euro income on licences

Max Planck Society - Mission and Guiding Principles

*»Insight **must** precede application«*



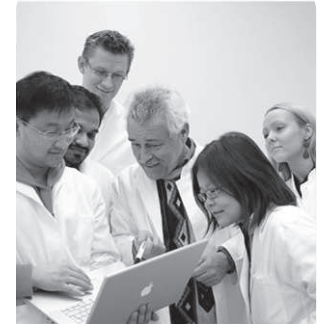
Max Planck, 1858 -1947

Founder of the Quantum Theory
Nobel Prize 1918

- **Basic Research at cutting-edge**, strictly curiosity-driven and quality oriented
- **Research autonomy**, where scientists decide upon science
- “Harnack Principle”: to **promote the best scientists**, not programs
- Flexible, dynamic, **interdisciplinary work** at Max Planck institutes
- **Long-term trust systems** with significant core funding for high-risk projects
- Quality assurance by external, mostly **international peers**

Max Planck Society: The Inward Dimension of Internationalization

Proportion of international scientific staff



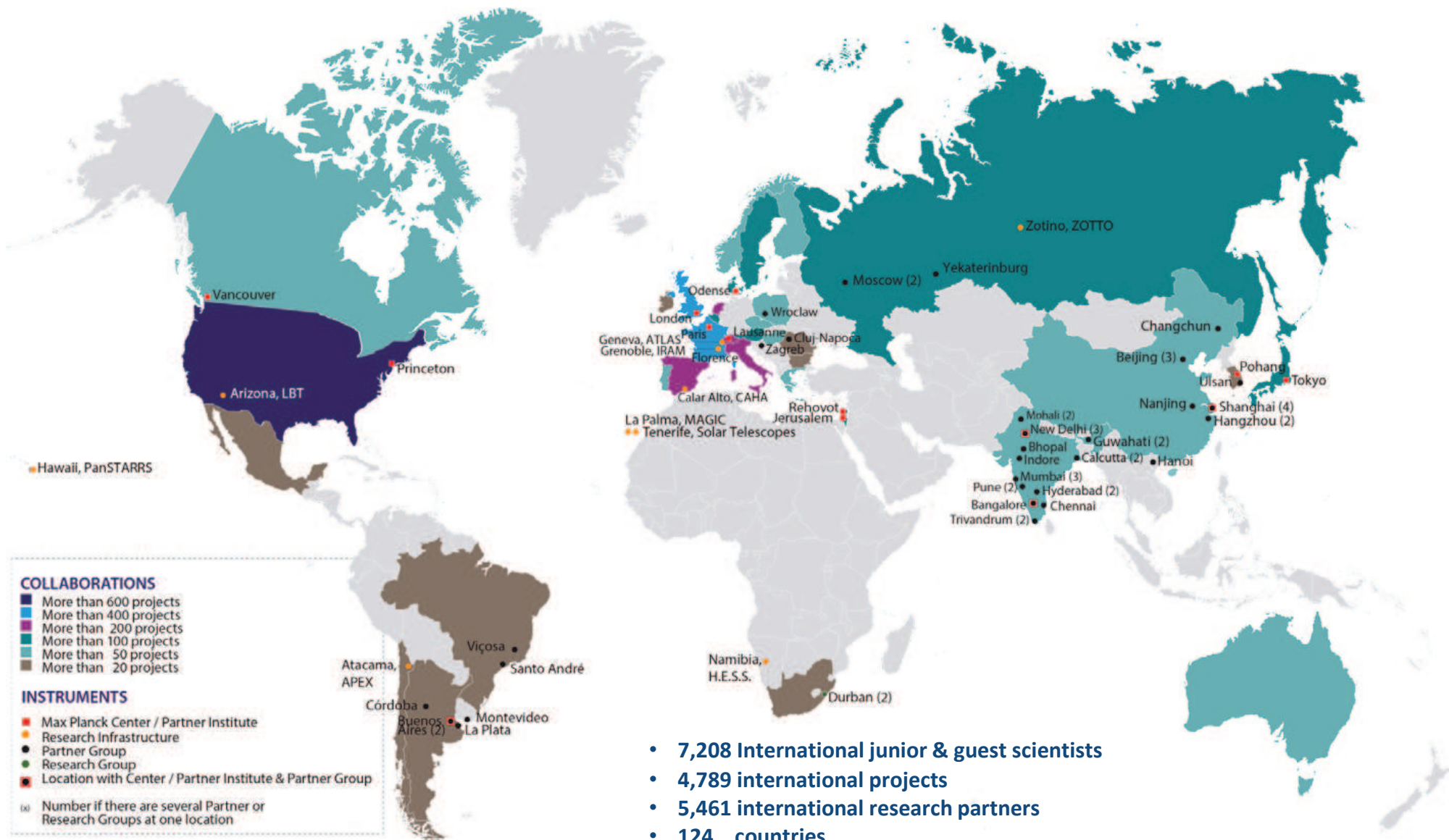
International share of individual groups

Directors ¹	286	100%
■ From outside Germany	95	33.2%
Postdocs ²	2,222	100%
■ From outside Germany	2,012	90.5%
Guest scientists ²	2,228	100%
■ From outside Germany	1,368	61.4%
PhD students ²	5,000	100%
■ From outside Germany	2,575	51.5%

¹ As per 1 January 2014.

² Over the whole of 2013.

Max Planck Institutes – The Outward Dimension of Internationalization



- 7,208 International junior & guest scientists
- 4,789 international projects
- 5,461 international research partners
- 124 countries

Instruments in the International Cooperation of Max Planck Institutes

- **Training of PhD students (3-4 years)** in International Max Planck Research Schools (IMPRS) – with national or MPI funding
- **Research stays of postdocs (2 years)** at laboratories of Max Planck institutes – with national or MPI funding
- **Current research projects** and shared activities (workshops, publications, etc.) – with national, MPI and third party funding
- **Calls for joint research projects (3 years)** between Latin American and Max Planck scientists
 - Example: MinCyT/Argentina: 3 years, volume: 30.000-50.000 Euro/year
- **Partner Groups at universities/institutes (3+2 years)**
 - Outstanding junior scientists from Latin America establish a Partner Group in their home country after a research residency at a MPI
- **Tandem Groups between universities/institutes and Max Planck Institutes (5+2 years)**
 - Partnership between a host institution and a Max Planck Institute, with international competitive call for group leaders, joint evaluation

Max Planck Partner Groups

■ What is a Partner Group?

- a new research group at a local university/institute headed by a former postdoc from a Max Planck Institute
- funded by a competitive grant from the MPG after favorable evaluation, and with resources and laboratory/office space from the home institution
- Duration: 3 (plus 2) years



A Max Planck Partner Group is a beneficial partnership with a Max Planck Institute to repatriate outstanding national research talents (postdoc) and to deepen existing and to establish new research cooperations.



Tandem Groups with Max Planck Institutes



A Tandem Group is ...

an independent research unit organized between a Max Planck Institute and a Host Institution (university and/or research institute),

- established in areas of mutual interest for 5 (plus 2) years with its own budget and a self-defined research programme,
- headed by an outstanding early career scientist,
- selected in a competitive procedure to identify the best candidate,
- supported by the host country/institution and the respective Max Planck Institute, based on shared values and expertise.

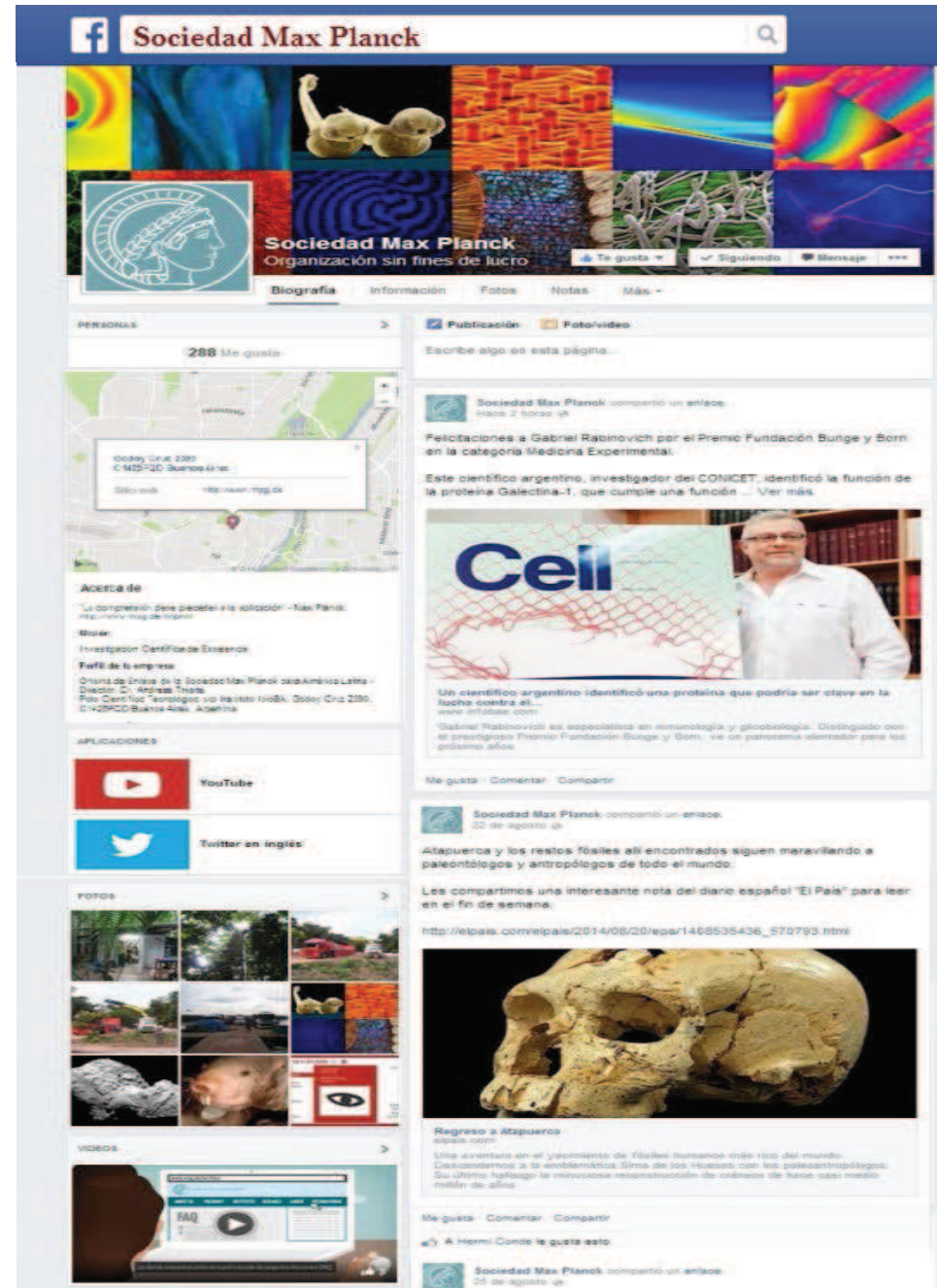
Circulation of Scientists and Joint Research Projects with Colombia

- **Cooperation Agreements since 2013:**
 - MoU with COLCIENCIAS (2013)
 - MoU/Cooperation agreement with Colciencias, Universidad Nacional and Universidad de Antioquia (2014)
- **83 junior and guest scientists** at Max Planck institutes from Colombia (in 2014) out of **515** from Latin America and Caribe (from all countries: **8.200**)
- **Only 8 running research projects with Colombian partners** (in 2014) out of 140 projects with Latin America
 - 1 in the Chemistry, Physics & Technology Section
 - 4 in the Biology and Medicine Section
 - 3 in the Humanities and Social Sciences Section

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Information on

- current **application deadlines** for the IMPRs and MPIs programmes.
- Open **calls** for scientists.
- General information about scholarships and internships.
- **News** on research related topics and Latin American science.
- **Science policy** and research environment in Latin America.
- scientific **results** and **new papers**.

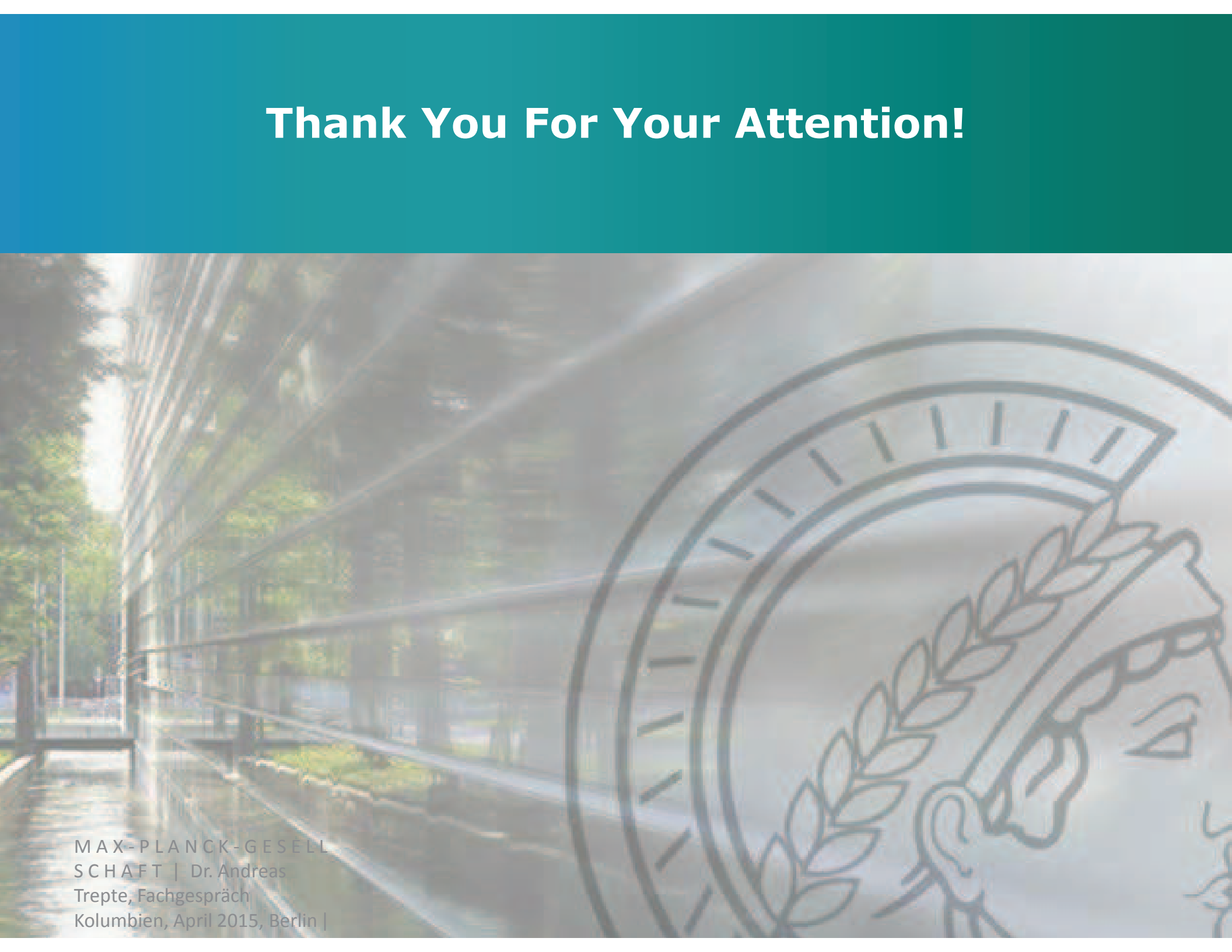


How to attract young people to Science

XLAB: Experimental Laboratory in Göttingen



Thank You For Your Attention!

The background of the slide features a photograph of a modern building with a glass facade, reflecting the surrounding greenery. Overlaid on the right side of the image is a large, semi-transparent circular logo. The logo contains a laurel wreath and a profile of a head, which are elements of the Max Planck Society's emblem.

MAX-PLANCK-GESELLSCHAFT | Dr. Andreas
Trepte, Fachgespräch
Kolumbien, April 2015, Berlin |