



ATTRACTING TALENT TO THE MIDDLE OF NOWHERE

Internship programmes for international master students

09.12.2021 | THORSTEN AUTH, IVO KABADSHOW | TEACH CONFERENCE

MOTIVATION

How to make students aware of the possibilities at FZJ?



PROGRAM PROVIDER

Two Guest student programs at FZJ

IHRS Biosoft

International Helmholtz Research School
of Biophysics and Soft Matter

Collaboration of FZJ with
University of Cologne,
Heinrich Heine University Düsseldorf,
RWTH Aachen University,
and caesar Bonn

Jülich Supercomputing Centre

Institute for Advanced Simulation

- Operates Supercomputer at FZJ
- Research on Computational Science
- Application Support
- Neuroscience

- Mathematics and Education

WHAT CAN WE OFFER AT JSC?

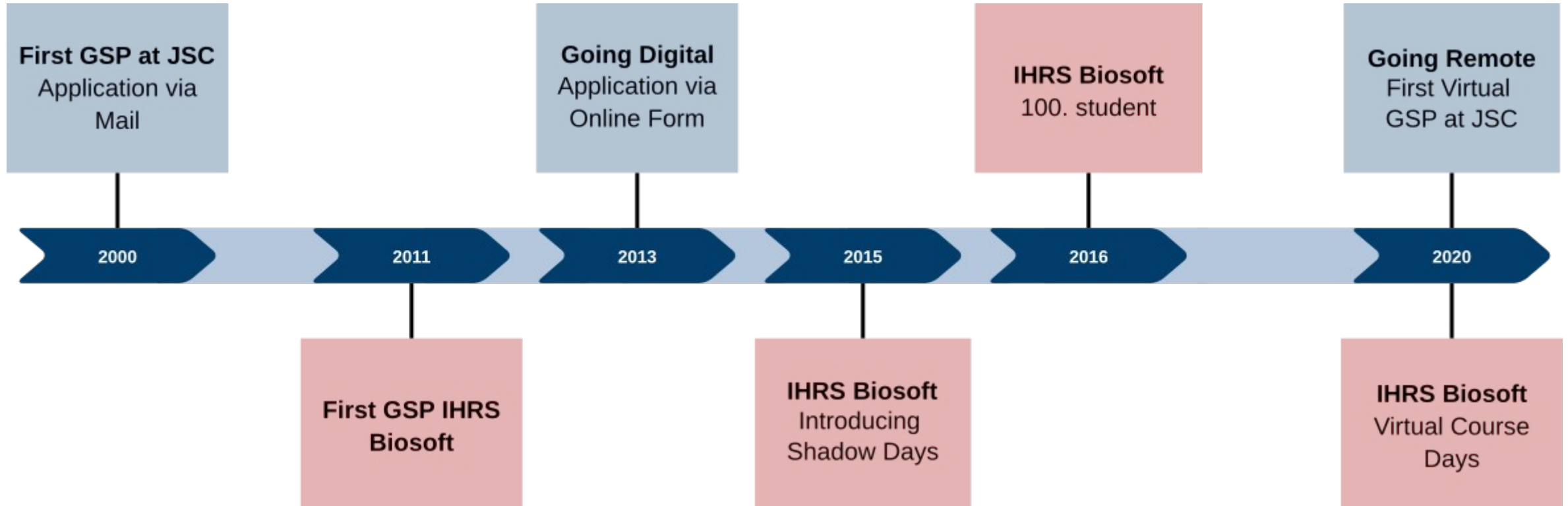
- ▶ **Bleeding edge science from multiple domains (physics, math, chemistry, computer science)**
- ▶ **Access to world-class HPC hardware, training on how to use such HPC hardware efficiently**
- ▶ **HPC-related topics from all domains**
- ▶ **Paid internship and direct contact/interaction with leading scientist in the field**
- ▶ **Possibility to apply for Master/PhD position**

WHAT CAN WE OFFER AT IAS BIOSOFT?

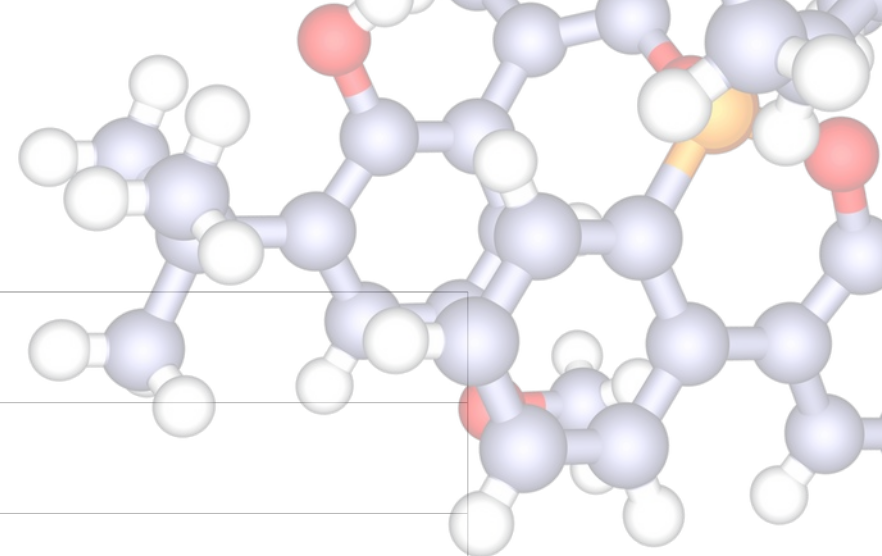
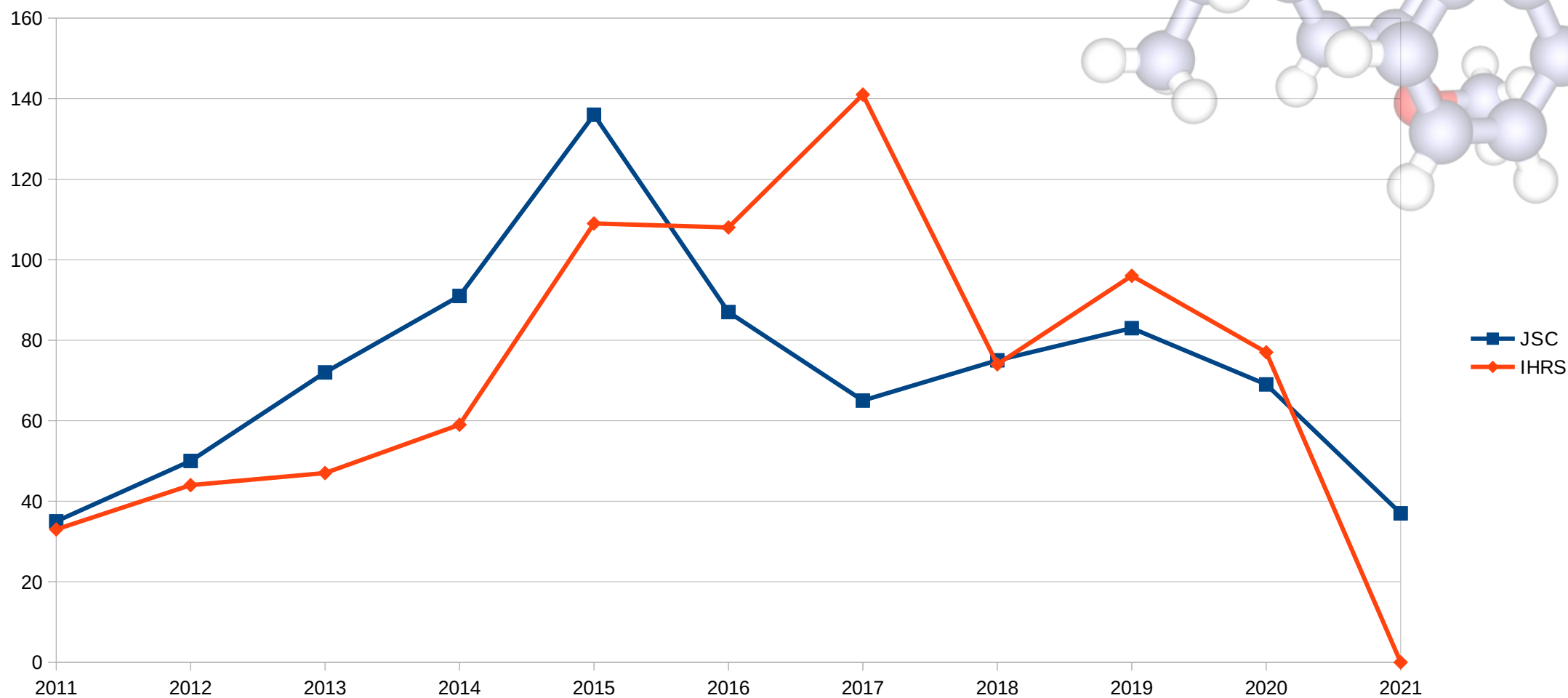
- ▶ Bleeding edge science from physics, chemistry, biology and neuroscience
- ▶ 5 institutions, 17 institutes, 24 faculty members
- ▶ Theory, computer simulation and wet labs
- ▶ Paid internship and direct contact/interaction with leading scientist in the field
- ▶ Possibility to apply for Master/PhD position

HOW IT ALL BEGAN

Two Gueststudent Programs (GSP) for Master Students

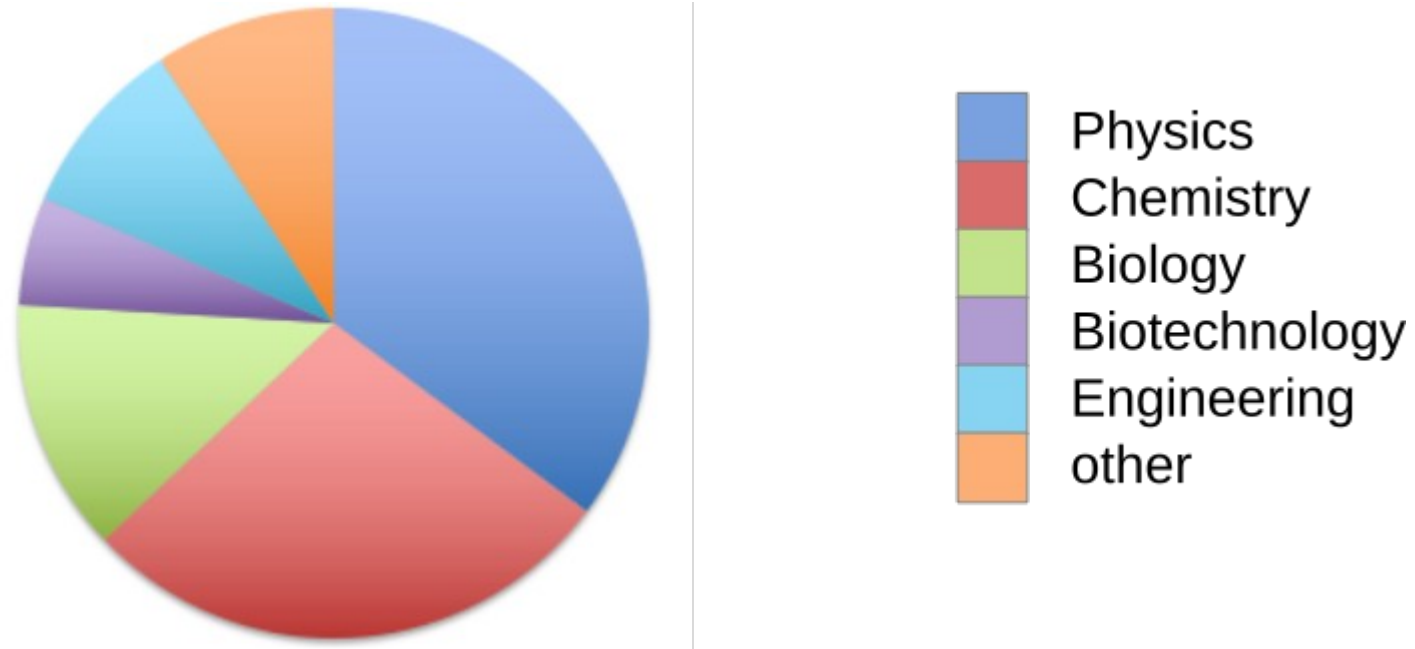


APPLICATIONS PER YEAR

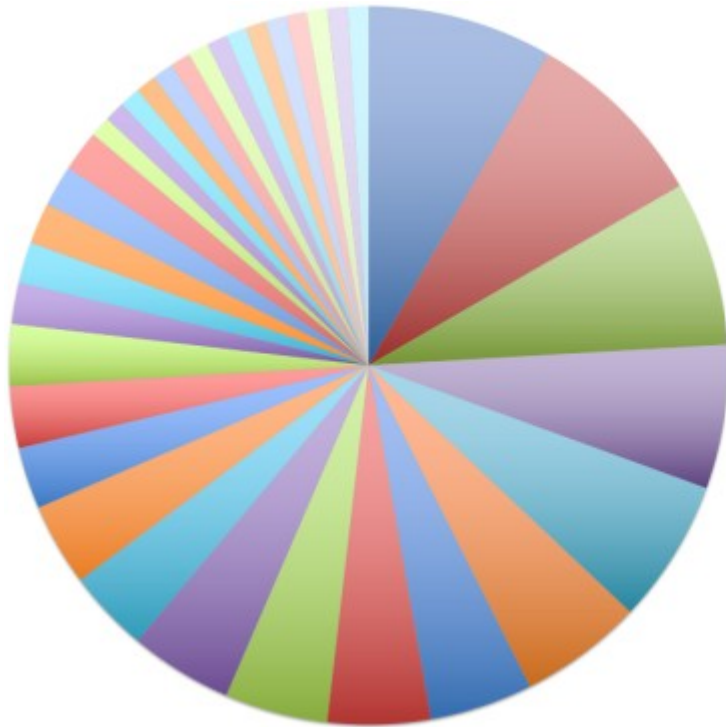


WHO IS APPLYING?

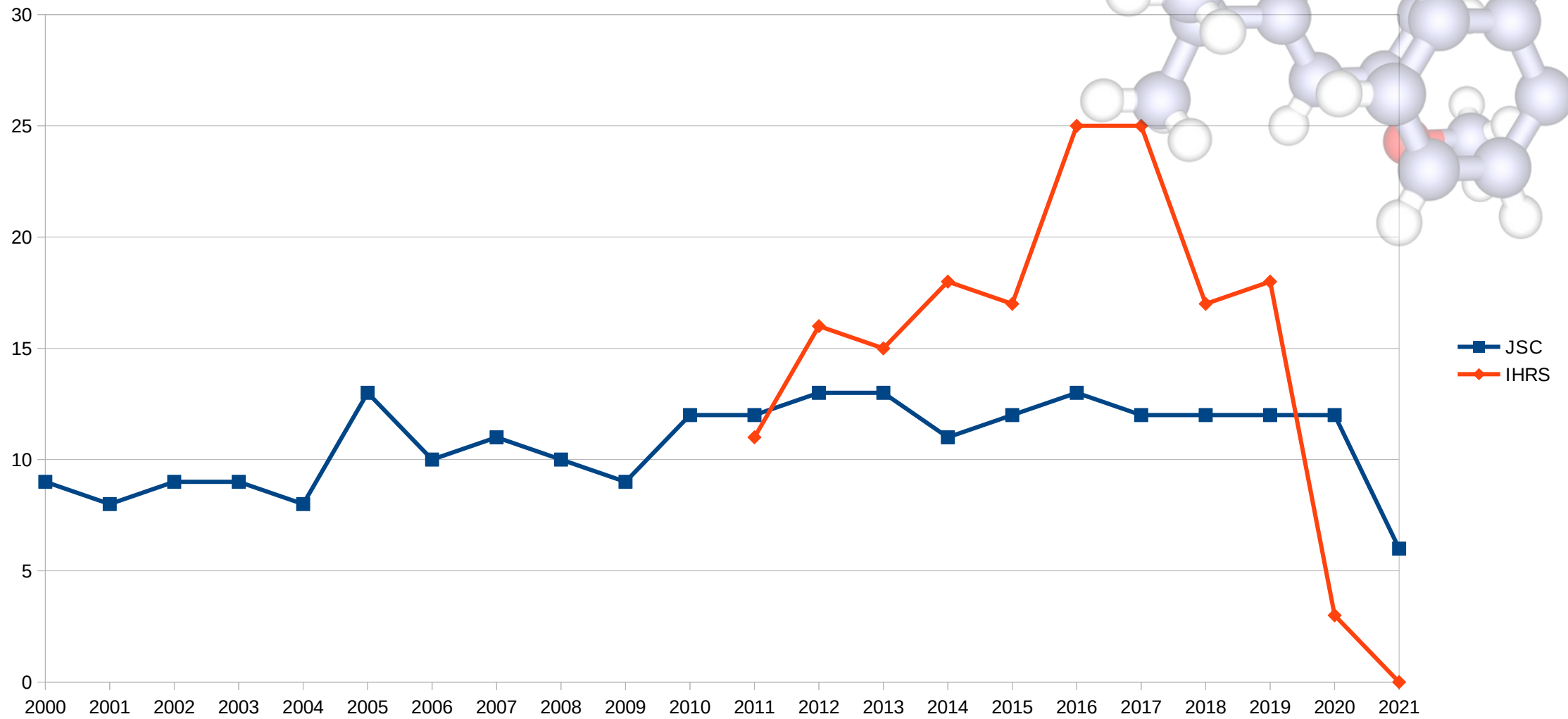
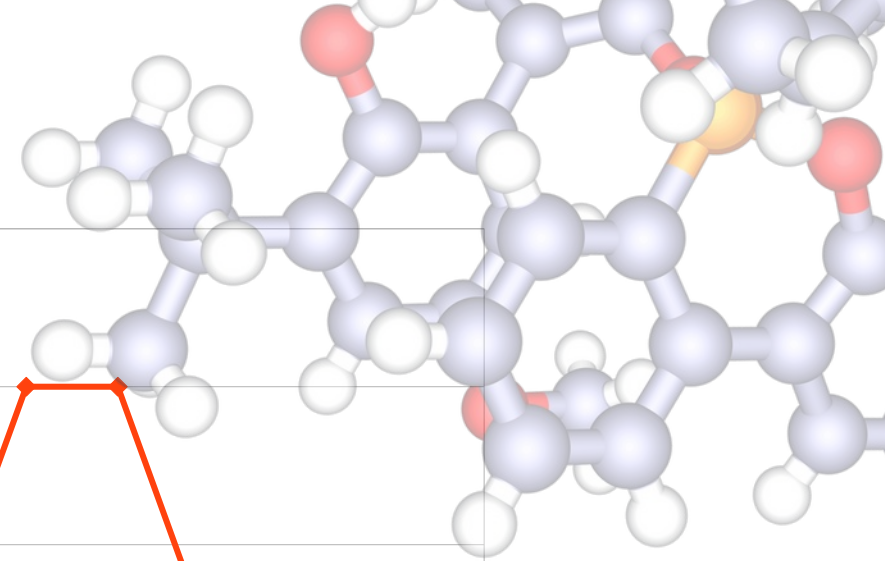
Master topics GSP 2016



WHO IS APPLYING?



GUEST STUDENTS PER YEAR




10 WEEKS IN SUMMER AT FZJ



August						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

September						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

October						
Mon	Tue	Wed	Thu	Fri	Sat	Sun
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

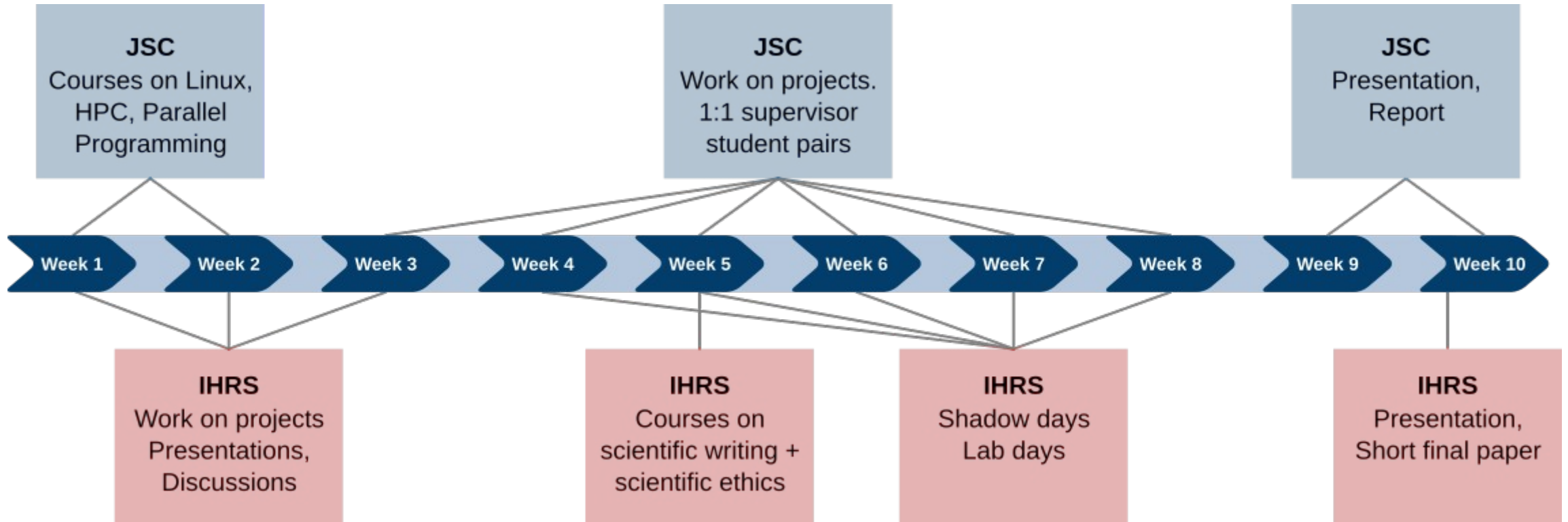
 Arrival
 Kickoff
 Courses

 Colloquium

 Farewell
 Departure

STRUCTURE OF THE PROGRAMME

10 Weeks at JSC and IHRS



SOCIAL PROGRAM



BBQ



Pizza/Kebap Day



Visiting nearby attractions (F1 racetrack, coalmine, Brussels, Maastricht)



Bubble soccer

QUESTIONS FOR THE AUDIENCE



What is your background? Scientist, Manager, Coordinator, Supervisor?



What is your Experience? What do you know about similar programs?

PREPARATION FOR BREAKOUT ROOMS – PART 1

- ▶ **Benefits of such a program for the students?**
- ▶ **Benefits of such a program for the hosts?**
- ▶ **Pitfalls while organizing?**
- ▶ **Best practices/additional resources to improve the experience?**

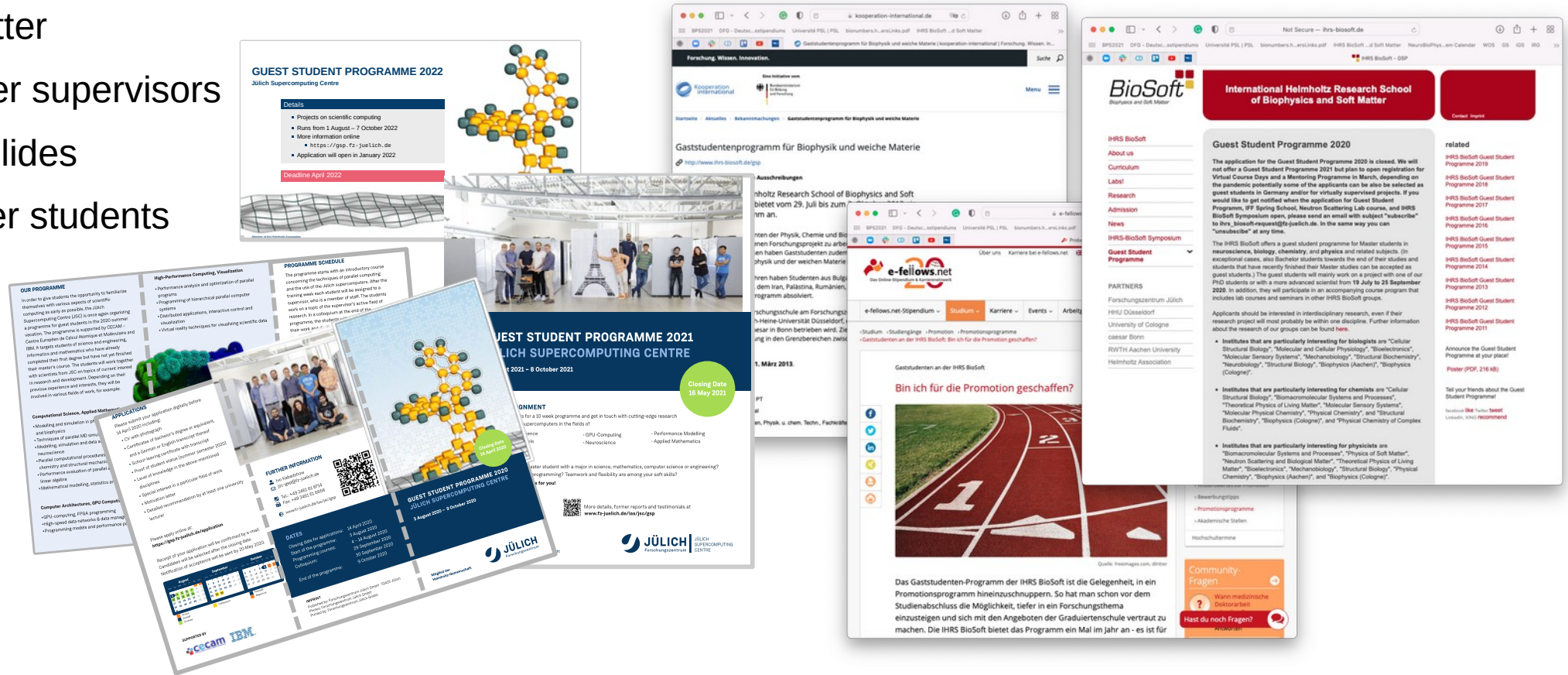
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Part II

ADVERTISEMENT

How to reach out to potential candidates?

- Facebook, Twitter
- Letters to former supervisors
- Poster, Flyer, Slides
- Emails to former students
- Job portals



STUDENTS FOR STUDENTS



TESTIMONIALS

It's amazing to hang out with people from all around the world!

It was unforgettable experience that challenged my ability to organize and plan my work

A very challenging experience, shaped my future plans for research

So, the only one improvement that can be done to this internship - make it longer!

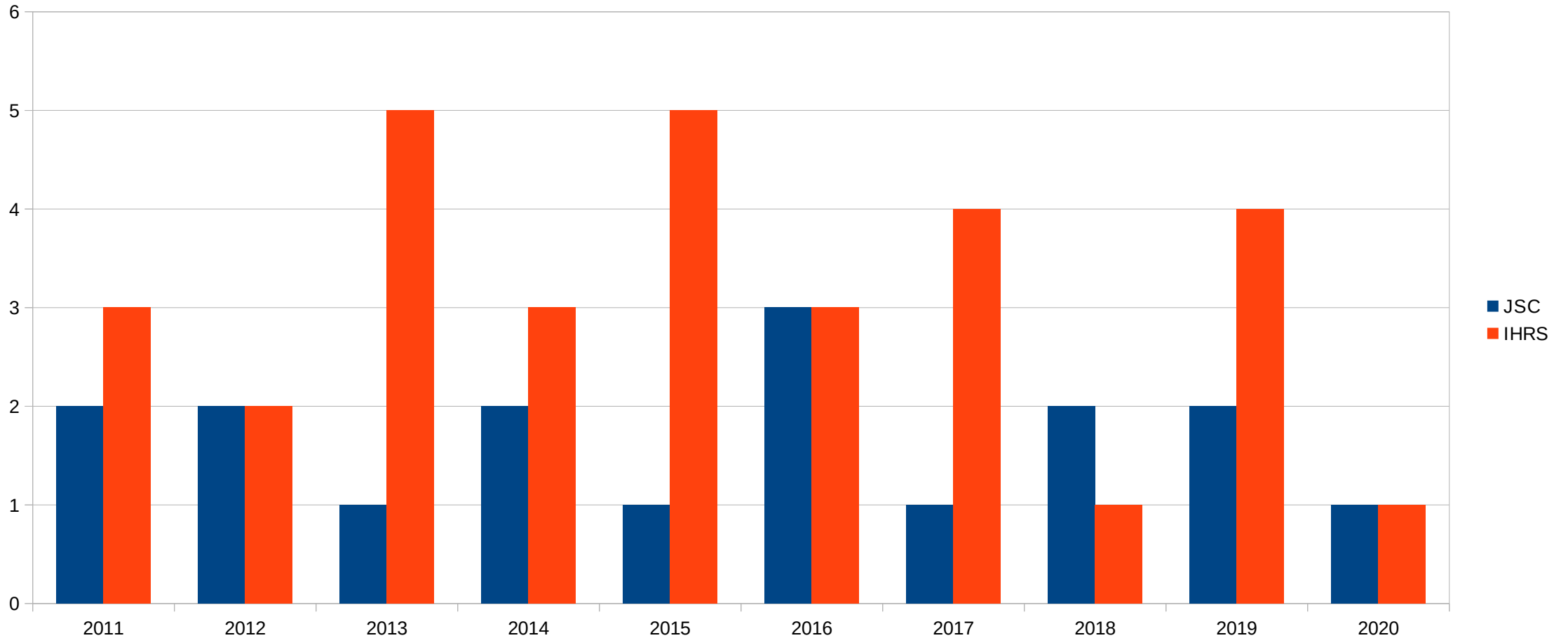
So, I must say that this was my first real experience doing science full time and I enjoyed it

Experienced modern-research first-hand, during this most productive and worthwhile summer of my life

IHRS BIOSOFT GUESTSTUDENTS



MASTER + PHD-STUDENTS FROM GSP



PREPARATION FOR BREAKOUT ROOMS – PART 2

- ▶ **How to advertise such a program efficiently?**
- ▶ **How to work with alumni of such a program?**
- ▶ **How to motivate guest students to stay for a Master or PhD position?**
- ▶ **Are there additional formats for int. master students (in person, online, hybrid)?**

ATTRACTING TALENT TO THE MIDDLE OF NOWHERE

10 Minute Break

ATTRACTING TALENT TO THE MIDDLE OF NOWHERE

Closing Session + Free Discussion

OPEN DISCUSSION

- ▶ **Success stories of guest students**
- ▶ **List of other programs within Helmholtz**
- ▶ **Outreach: How can we reach a joint strategy within Helmholtz for such programs?**