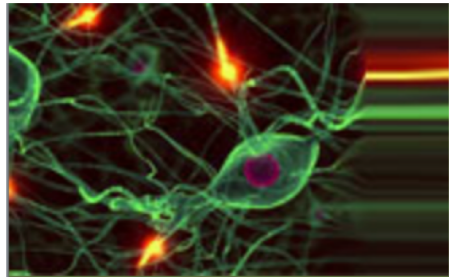


International Neuroscience Teaching at the European Campus



Joint Master in Neuroscience
BASEL-STRASBOURG-FREIBURG

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UNI
FREIBURG



Master of Science in Neuroscience
Albert-Ludwigs-Universität Freiburg



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BRAINS WANTED

UNLOCKING THE SECRETS OF THE BRAIN

"The brain is a world consisting of a number of unexplored continents and great stretches of unknown territory"

Santiago Ramón y Cajal
Spanish neuroscientist and Nobel laureate (1906)

Two international programs

- **International MSc Neuroscience program at the University Freiburg**

(established 2016, supported by the Master 2016 program of the State of Baden-Württemberg)



- **Joint Master in Neuroscience Universities Strasbourg-Freiburg-Basel**
(established 2006)



What is Neuroscience?

Scientific study of the nervous system

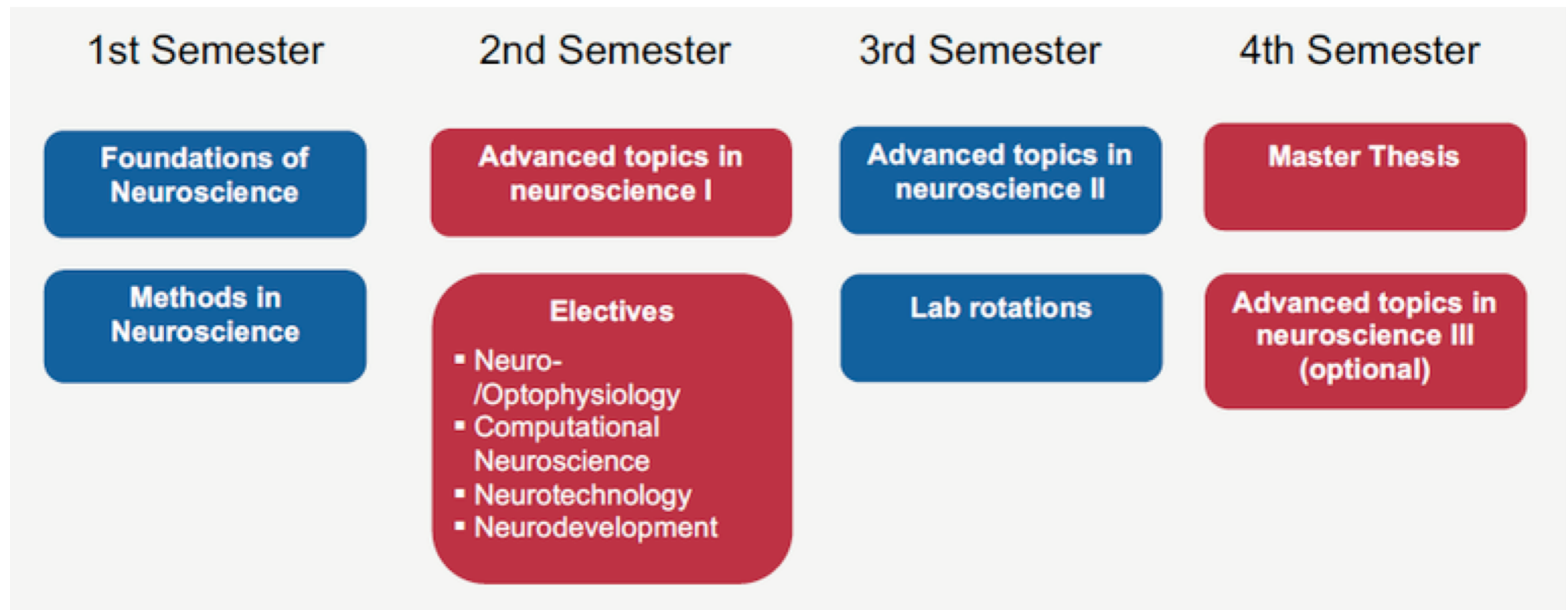
- the human brain is the most complex living structure in the known universe
- 80 billion neurons, 1 quadrillion synapses
- the brain controls our body and shapes our thoughts, beliefs, emotions, imaginations ...

Contemporary neuroscience is a highly interdisciplinary research field.

Motivation for establishing the MSc Neuroscience program at the University of Freiburg

- ***international:*** attract excellent international students
- ***cross-faculty:*** unite neuroscience teaching expertise at several faculties to offer a coherent course program.
- ***inter-disciplinary:*** allow students with diverse backgrounds reflecting the interdisciplinary nature of contemporary neuroscience

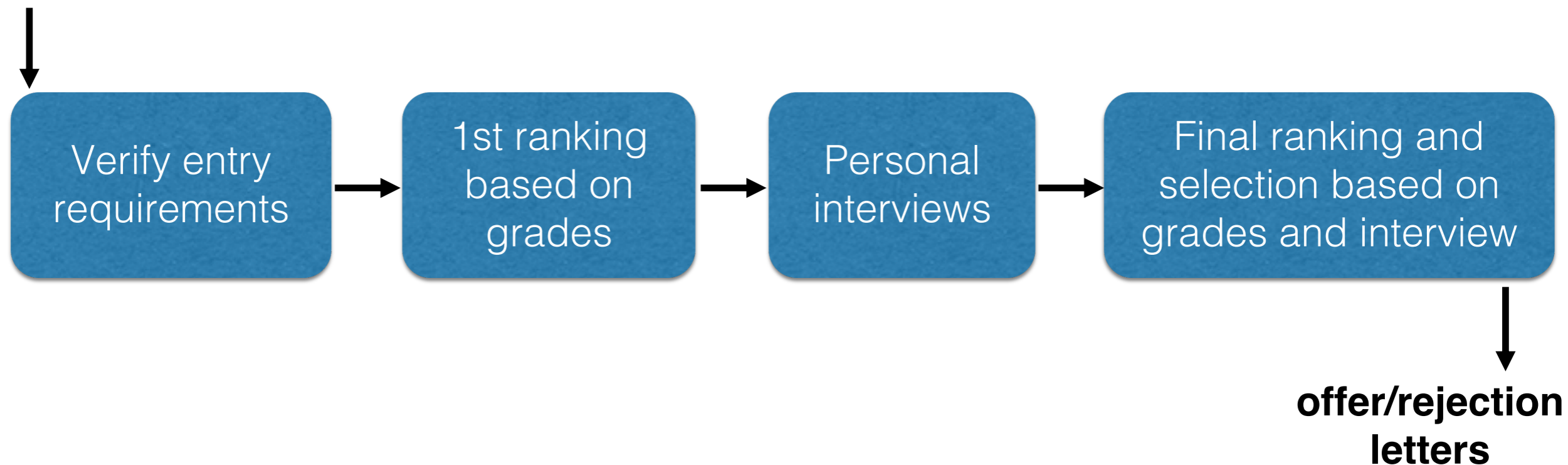
Overview of the program



- 100% English-taught
- Elective modules from various specialised topics (e.g. computational neuroscience, neurophysiology, neurotechnology, developmental neuroscience)
- 25 new students per year
- >20 Lecturers from 4 faculties (biology, engineering, economics&behavioural sciences, medical faculty)

Admissions process

Submission of
application
documents



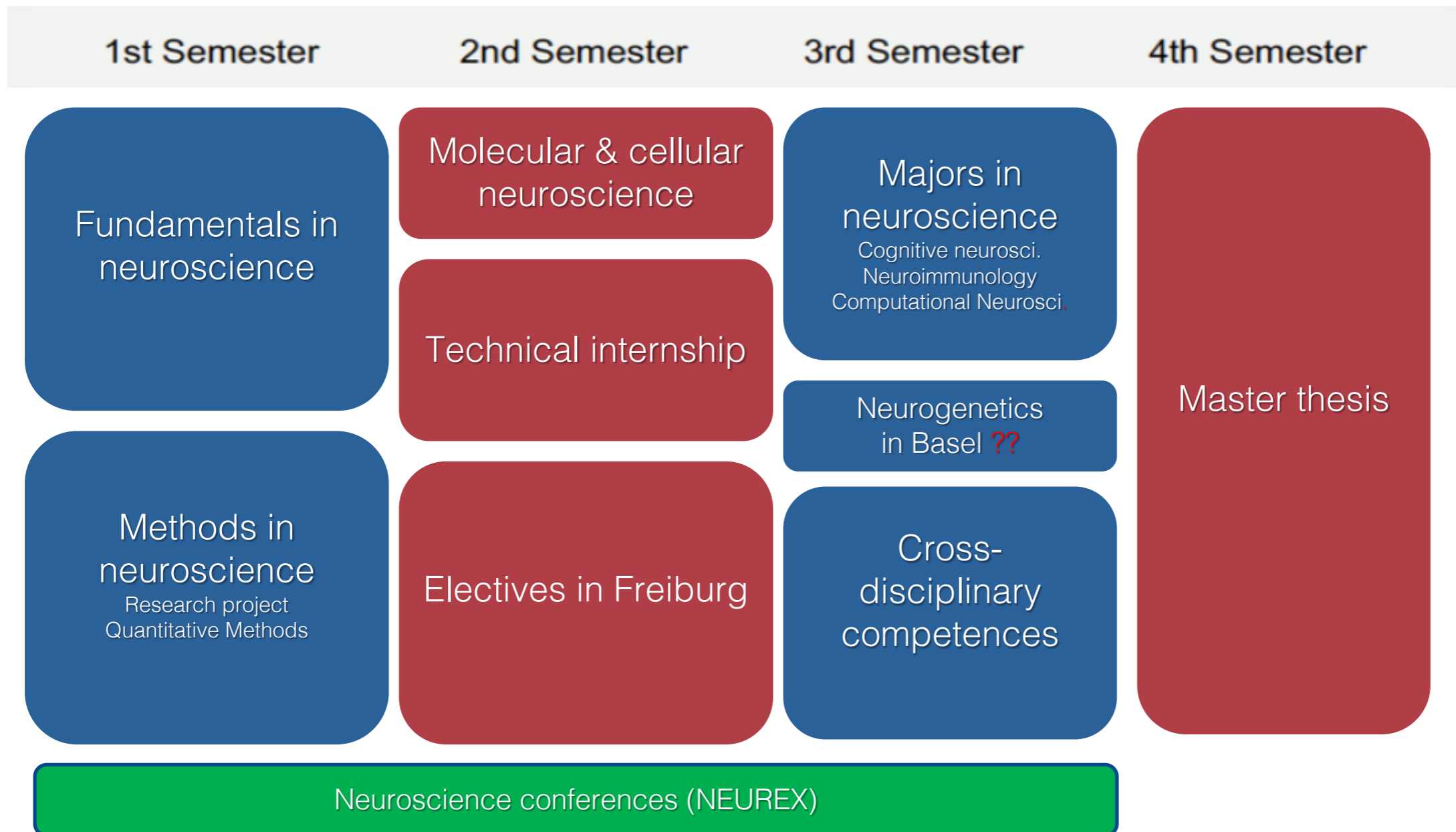
- approx. 30% German, 70% international applications
- applicants with diverse backgrounds (natural sciences & math, engineering, behavioural sciences)
- >150 applications per year, 50-100 personal interviews each year
- currently acceptance rate around 15%

Joint master in neuroscience Strasbourg-Freiburg-Basel

Motivation for the JMN program

- *international*: attract excellent international students
- *cross-border*: unite neuroscience teaching expertise at several faculties to offer a coherent course program.
- *inter-disciplinary*: allow students with diverse backgrounds reflecting the interdisciplinary nature of contemporary neuroscience
- *Tutor-based trainings*
- *cross-disciplinary skills*
- *Built-in mobility*
- *Employability*: 95 % students get a position within a year (80-20 ratio PhD/job)
- *International recognition* : affiliation to the NENS and partnership with international research institutes
- *Alumni and networks*

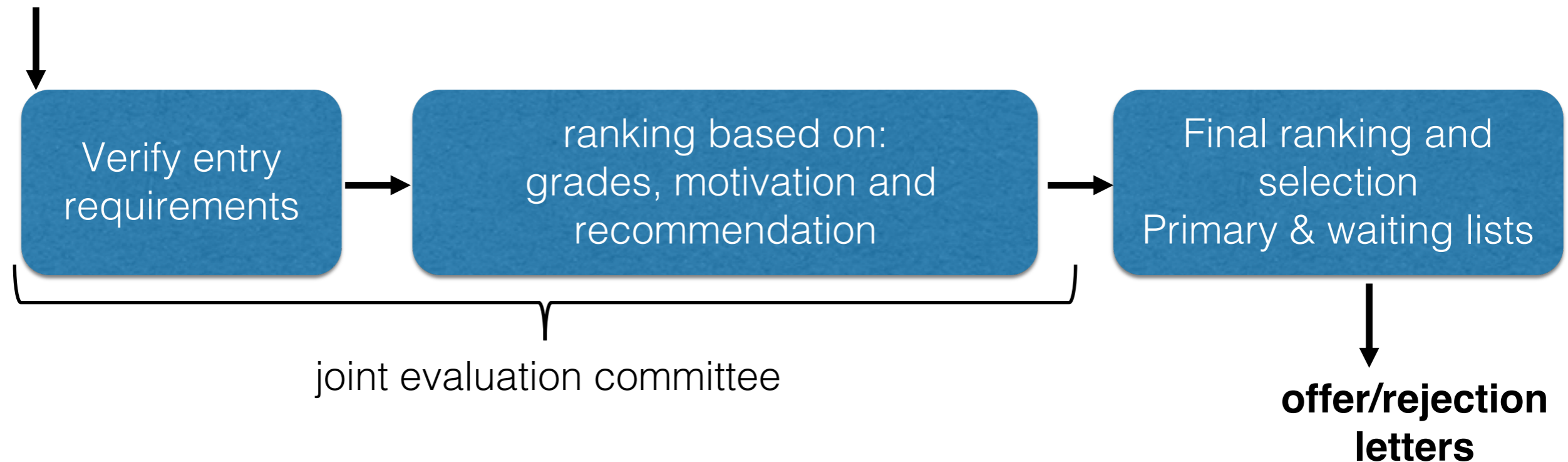
Overview of the program



- 100% English-taught
- Elective modules from various specialised topics (Freiburg's, neuroimmunology and cognitive neuroscience)
- 15-20 students per year
- Lecturers from (Basel), Freiburg and Strasbourg Universities

Admissions process thru a dedicated website

Submission of
application
documents



- approx. 15% German, 15 % French, 30 % UE and 40 % Worldwide applications (students coming from 43 countries so far....)
- applicants with diverse backgrounds (life sciences, bioengineering, biomedical and behavioural sciences)
- +150 applicants each year
- currently acceptance rate less than 10%

Challenges

- Sustainability and financial support
- Registration and accommodation
- Calendar compatibility
- Mobility for students & teachers
- Teaching support (e-teaching & videoconferences)
- Different grading schemes
- International applications
- Languages

Future plans

- Academic agreement and joint degree
- Reciprocal student exchange for electives
- Application to DFH/UFA