INTERNATIONAL SUMMER/WINTER PROGRAMMES (i-SP)

International Summer Programme

IMPORTANT NOTE
Before applying for any summer/winter programme, read the GRO website for important information on:

- General Eligibility Requirements and Application Process
- Module Mapping and Financial Aid
- Visa Application, Travel Advisories and Student Insurance

University of Hohenheim: Euroleague for Life Sciences (ELLS)

<table>
<thead>
<tr>
<th>Host University Website</th>
<th><a href="https://www.euroleague-study.org/en/pph">https://www.euroleague-study.org/en/pph</a></th>
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</thead>
<tbody>
<tr>
<td>Programme Locations</td>
<td>University of Hohenheim, 70599 Stuttgart, Germany</td>
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<tr>
<td>Programme Dates</td>
<td>Course: 6 July - 24 July 2020</td>
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<td></td>
<td>Online phase start date: 08 June 2020</td>
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<tr>
<td>Application Timeline</td>
<td>31 March 2020, or until places are filled</td>
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(Updated as of January 2020)

ESTIMATED COST OF PARTICIPATION

| 1 | Programme Fee | Tuition fee: € 0 (No tuition fees for NUS students)  
Accommodation fee: € 350  
Transport: € 50 (tickets for public transport)  

Flights, personal expenses and food are not included in the fees above. After payment of fees registration is binding. |

| 2 | Projected Expenditure | Details of payment: [http://www.nus-misu.de/en/content/NUS_Payment](http://www.nus-misu.de/en/content/NUS_Payment) |

<table>
<thead>
<tr>
<th>Breakdown of Costs</th>
<th>Estimated Cost</th>
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<tbody>
<tr>
<td>Tuition fee</td>
<td>€ 0</td>
</tr>
<tr>
<td>Transport fee</td>
<td>€ 50</td>
</tr>
<tr>
<td>Accommodation</td>
<td>€ 350</td>
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<tr>
<td>Food (approx. € 15 per day)</td>
<td>€ 420</td>
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<tr>
<td>Others</td>
<td>€ 200</td>
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<tr>
<td>Total</td>
<td>€ 1,020 (est. S$1,528)</td>
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Please factor in flights and personal expenses.

| 3 | Financial Aid Available Through NUS GRO | As a participant of this programme, you are eligible to apply for:  
- NASA Enhancement Bursary (Singaporeans only)  
- Overseas Student Programme Loan (Singaporeans only)  
- PSEA Fund Withdrawal (Singaporeans only) |

| 4 | Academic Content | Pathogens, Parasites and their Hosts  
Ecology, Molecular Interactions and Evolution of Animals, Plants and their Antagonists |
Pathogens-host interactions are a major focus in the work of several institutes at the University of Hohenheim. In a joint initiative of the Faculties of Agricultural Sciences and Natural Sciences, host-pathogen interactions will be the subject of a 3 weeks summer school in July 2020. The summer school will introduce into the eco-logy, molecular interactions, and evolution of pathogen-host relationships with respect to animals, plants, and microorganisms. These topics will be addressed in:

- lectures,
- laboratory experiments
- excursions

Following an integrative approach, the aim of the summer school will be a comparison of different biological systems, showing both striking similarities and surprising peculiarities.

How pathogens meet their hosts:
- Behavioural mechanisms
- Chemical and physical recognition
- Life cycles and zoonoses
- Mechanisms of invasion

Host resistance:
- Host resistance in plants and animals
- Secondary plant compounds
- Innate immunity
- Immunology of inflammation

How to overcome host defence:
- Immune suppression
- Antigenic variation
- Molecular mimikry
- Toxins

Coevolution:
- Adaptation between host and pathogen
- Breeding of resistant plants and animals
- Resistance genes in plants and animals
- Multitrophic level interactions

**Course Language**
English

**Course Format**
Mix of lectures, laboratory experiments, and excursions

During the online phase at home (starts on 08 June 2020) participants will have access to recommended literature for course preparation.
# Grades and credits

7.5 ECTS.

The final mark of this course will be based on participation in e-learning activities, performance in team work and a written exam at the end of the course.

*All mapping requests are subjected to approval by the Faculties/Departments.*

# Eligibility Requirements

Suitable for students in Medicine, Nursing, Pharmacy, Dentistry, Life Sciences, Medicinal Chemistry, etc. Please note that transferring of credits will still be subject to faculty approval.

NUS’ generic eligibility requirements apply. Please see [GRO website](#) under i-SP application guide.

# Accommodation

Fess come with pre-booked furnished flats with twin or triple rooms.

# Application Procedure at NUS

Please apply through NUS Education Records System - Global Education (EduRec-GE) first if you want to do module mapping and to apply for financial aids/loans. Applying through EduRec-GE will allow GRO to contact and assist you in times of crisis/emergency while you are overseas.

With an official application through EduRec-GE, you are covered by the NUS Travel Blanket Insurance. Besides, GRO can also provide you with supporting letters for visa application and NS deferment (for NSmen). Read the step-by-step guide which we have prepared for you on GRO’s web.

*You should also apply to the host university concurrently.*

# Application Procedure at the host university


# Confirmation of participation

Accept EduRec-GE offer as well as the host university offer to confirm your participation in this programme.

Please read the [cancellation policy](#) on MISU’s website before accepting and paying for the programme.

# Module Mapping

*All mapping requests are subjected to approval by the Faculties/Departments.*

[Click here](#) for a step-by-step guide on applying for module mapping. Students may contact the SEP administrators/coordinators at their respective home Faculty/School Dean's Office or the academic department for module mapping. NUS Business School will not consider summer programme of less than 3 weeks duration to be credit bearing.

If you are interested in obtaining credits, you can start the module mapping process after you have accepted the offer for the programme via EduRec-GE.
**International Summer Programme**

Students may map up to a maximum of 10 MCs for each Summer Programme. Over the course of study in NUS, students may map up to a total of 12 MCs for involvement in summer programme. Beyond 12MCs, NUS Special Term tuition fees will apply, in addition to Summer/Winter Programme fees paid to the host university. For details, please read the information on Registrar’s Office website.

| 12 | Transcript | All participants will get a signed certificate at the end of the course with the number of ECTS credits and the grade that they achieved. Please refrain from requesting for your transcript to be mailed to NUS Global Relations Office (GRO). |

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**ADDITIONAL INFORMATION**

| 13 | Visa Application | **Singaporeans**  
Singaporeans do not need a visa for Europe if they are not staying for more than 90 days in Schengen countries in a 6-month period.  

**Non-Singaporeans**  
If required, participants are responsible for obtaining the correct visa that allows them to study legally in Germany for the duration of the Summer School. Here is an overview of German embassies and consulates.  

If you need a visa to enter, please:  
1. Apply for a tourist visa  
2. Start early – your visa application may take up to 2 months  
3. Make payment for the course early – you will only receive the official invitation (which you need for your visa), after the advance payment/full payment is received  
4. Ensure that your visa allows you to travel to Germany, Czech Republic and Austria  

Citizens of the European Union do not need a visa for studying in Germany. An identity card is sufficient. |

| 14 | Travel Advisories | Visit the [MFA website](#) for travel advisories on various countries from the Singapore government. |

| 15 | Student Insurance | **Insurance coverage for official NUS trips** is provided for your participation in this programme.  

Generally, students are encouraged to get adequate insurance for their participation in the programme. |

<p>| 16 | Contact Information | Questions about the programme? |</p>
<table>
<thead>
<tr>
<th><strong>Contact person for administrative questions</strong></th>
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<tbody>
<tr>
<td>Dr. Gabriele Klumpp</td>
<td></td>
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<tr>
<td>Coordination Euroleague for Life Sciences (780)</td>
<td></td>
</tr>
<tr>
<td>Fruwirthstr. 12, Verfügungsgebäude, 235</td>
<td></td>
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<tr>
<td>D-70593 Stuttgart</td>
<td></td>
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<tr>
<td>Phone: +49 711 45924012</td>
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<tr>
<td>Fax: +49 711 459 24347</td>
<td></td>
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<tr>
<td>E-Mail: <a href="mailto:Gabrielle.Klumpp@ua.uni-hohenheim.de">Gabrielle.Klumpp@ua.uni-hohenheim.de</a></td>
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<thead>
<tr>
<th><strong>Contact person for scientific questions</strong></th>
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<tbody>
<tr>
<td>Dr. Thomas Romig</td>
<td></td>
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<tr>
<td><a href="mailto:Thomas.Romig@uni-hohenheim.de">Thomas.Romig@uni-hohenheim.de</a></td>
<td></td>
</tr>
<tr>
<td>Institute for Zoology, Section of Parasitology</td>
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<tr>
<td>University of Hohenheim</td>
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<td>or your local representative of the Subject Area Insect Ecology</td>
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Questions about module mapping? Visit this [webpage](#).

Questions specific to NUS GRO? Contact us at: [askGRO](#)