

IMPORTANT NOTE

Before applying for any summer/winter programme, read the [GRO website](#) and [i-SP Application Guide](#) 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 Summer Programme

Pathogens, Parasites and their Hosts: Ecology, Molecular Interactions and Evolution

Information is accurate as of 9 January 2023. Due to the evolving COVID-19 situation, please check the official host university website for the most updated information before applying for the programme.

Host University Website <https://www.euroleague-study.org/en/pph>

Programme Location Stuttgart, Germany

Programme Dates 3 - 20 July 2023

Application Deadline at Hohenheim's website 31 March 2023 (or until places are filled)

No. of Placements: Refer to website

ESTIMATED COST OF PARTICIPATION										
1	Programme Fee	The programme fee is not applicable in this instance								
2	Projected Expenditure	<table border="1"> <thead> <tr> <th>Item</th> <th>Estimated Cost</th> </tr> </thead> <tbody> <tr> <td>Accommodation</td> <td>450 EUR</td> </tr> <tr> <td>Transportation</td> <td>50 EUR</td> </tr> <tr> <td>Daily Expenses</td> <td>Click here</td> </tr> </tbody> </table>	Item	Estimated Cost	Accommodation	450 EUR	Transportation	50 EUR	Daily Expenses	Click here
		Item	Estimated Cost							
		Accommodation	450 EUR							
		Transportation	50 EUR							
Daily Expenses	Click here									
<p>Financial aid will not be available for programmes/classes that are conducted fully online. If a programme is offered in hybrid mode, only on-site participation would qualify a student for financial aid. If a physical/on-site programme switches to fully online before the commencement of the programme NUS reserves the right to adjust or retract the financial aid package.</p> <p>You should have enough monetary funds to last you throughout the whole i-SP. Your decision to go on i-SP should not be dependent upon the confirmation of a scholarship or bursary award. You can consider the following financial aid options to fund your i-SP:</p> <p>For Singaporeans only:</p> <ul style="list-style-type: none"> • NASA Enhancement Bursary • Overseas Student Programme Loan • PSEA Ad-Hoc Withdrawal <p>Please note that if you are successful for any financial aid, the funds will only be disbursed to you after completion of the Programme.</p>										
<p>3</p>										

PROGRAMME DETAILS		
4	Academic Content	<p>Pathogen-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 3 weeks of summer school in July 2023.</p> <p>The summer school will introduce the ecology, molecular interactions, and evolution of pathogen-host relationships with respect to animals, plants, and microorganisms, These topics will be addressed in a series of lectures and laboratory experiments. 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.</p> <p>How pathogens meet their hosts:</p> <ul style="list-style-type: none"> • Behavioural mechanisms • Chemical and physical recognition • Life cycles and zoonoses • Mechanisms of invasion <p>Host resistance:</p> <ul style="list-style-type: none"> • Host resistance in plants and animals • Secondary plant compounds • Innate immunity • Immunology of inflammation <p>How to overcome host defence:</p> <ul style="list-style-type: none"> • Immune suppression • Antigenic variation • Molecular mimikry • Toxins <p>Coevolution:</p> <ul style="list-style-type: none"> • Adaptation between host and pathogen • Breeding of resistant plants and animals • Resistance genes in plants and animals • Multitrophic level interactions <p>Intended Learning Outcomes</p> <p>After completing the course, participants should be able to:</p>

		<ul style="list-style-type: none"> • Discover the most important host-pathogen systems with plants, animals and microorganisms • Compare how different pathogens find their hosts • Compare the most important strategies of defence from their hosts • Compare how different pathogens are able to circumvent these strategies of defence • Explain the concept of coevolution of hosts and pathogens and exemplify the consequences for the relationship between both • Discuss course content with international groups of students
5	Eligibility Requirements	<p>The course is aimed at students of biology and agricultural sciences or related subjects who have already passed university elementary courses of at least 2 years (NUS undergraduates in their third year of studies and above).</p> <p>NUS' generic eligibility requirements apply, please refer to the GRO website for details.</p>
6	Application Procedure at NUS	<p>Apply via the NUS Education Records System (EduRec - GE) first if you want to do module mapping and apply for financial aid/loans. Applying through EduRec-GE will allow GRO to contact and assist you in times of crisis/emergency while you are overseas.</p> <p>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. Read the step-by-step guide which we have prepared for you on GRO's web.</p> <p>You should also apply to the host university concurrently once you have submitted an application to NUS EduRec.</p>
7	Application Procedure at Host University	<p>Applicants are to submit their online application form here.</p>
8	Confirmation of participation	<p>You will be informed by the host via email about possible financial support together with the information on your acceptance or rejection.</p> <p>You have to accept EduRec-GE offer as well as the host university offer to confirm your participation in this programme.</p> <p>Please read the cancellation policy of this programme before accepting and paying for the programme.</p>

9	Module Mapping	<p>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.</p> <p>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.</p> <p>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 the 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.</p>
10	Transcript	<p>Please provide a valid, personal mailing address in the online registration portal so that the host can send your transcript to you after the summer programme.</p> <p>Please do not request for your transcript to be mailed to NUS Global Relations Office (GRO).</p>

ADDITIONAL INFORMATION

11	Visa Application	<p>Holders of a Singapore passport do not require a visa for visits to Germany lasting up to 90 days. For other nationalities, please enquire with the Embassy of the Federal Republic of Germany in Singapore for visa requirements.</p> <p>If you need a visa to enter Germany, please start early as your visa application may take up to 2 months.</p>
12	Travel Advisories	<p>Visit the MFA website for travel advisories on various countries from the Singapore government.</p>
13	Student Insurance	<p>NUS will continue to offer NUS Travel Insurance for approved study abroad programmes including International Summer Programmes (i-SP).</p> <p>For more information on:</p> <ul style="list-style-type: none"> - NUS Student Travel Insurance Cover, click here - COVID-19-related coverage under the NUS Student Insurance Scheme, click here <p>Students are responsible for ensuring that they have sufficient travel insurance coverage for the entire duration of their trip (inclusive of travel) and are advised to review the insurance coverage/policy to ensure that they meet their needs. Students may purchase additional health and/or travel insurance from their preferred agent.</p>
14	Contact	Contact person for administrative questions

<p>Information</p>	<p>Dr Gabriele Klumpp Coordination Euroleague for Life Sciences (780) Fruwirthstr. 12, Verfügungsgebäude, 235 D-70593 Stuttgart Phone: +49 711 45924012 Fax: +49 711 459 24347 E-Mail: Gabriele.Klumpp@ua.uni-hohenheim.de</p> <p>Contact person for scientific questions Dr. Thomas Romig Thomas.Romig@uni-hohenheim.de Institute for Zoology, Section of Parasitology University of Hohenheim</p> <p>Questions specific to NUS GRO? Contact us at: global@nus.edu.sg</p>
---------------------------	--