

List of Singapore Host Principal Investigators (PIs) working on Infectious Diseases (ID)

Note:

- This list is not exhaustive. Candidates can approach host PIs not included in the list below.
- This list only includes potential host PIs for 'Infectious Diseases'. Candidates may propose research in other areas as well for the 2-year SASEAF programme.

#	Name & designation	Institutions	Area of expertise	Email address
1	Prof Sebastian Maurer-Stroh	A*STAR BII	Virus evolution and surveillance, Computational Structural Biology	sebastianms@bii.a-star.edu.sg
2	Dr Roland Huber		Structural Genomics, RNA biology, RNA viruses	rghuber@bii.a-star.edu.sg
3	A/Prof Peter Bond		Computational structural biology; Molecular modeling of bacterial and viral pathogens; Rational antimicrobial therapeutics development	peterjb@bii.a-star.edu.sg
4	Dr Neerja Karnani	A*STAR BII / PREPARE	Clinical data analytics in disease risk prevention and surveillance; Molecular epidemiology in disease severity	Neerja_Karnani@bii.a-star.edu.sg
5	A/Prof Niranjan Nagarajan	A*STAR GIS	Metagenomics, Microbiome Studies, Computational Genomics, AMR Surveillance	nagarajann@gis.a-star.edu.sg
6	Prof Lisa Ng	A*STAR ID Labs	Microbial Immunity, Mosquito-borne and emerging infectious diseases, Arboviruses, coronaviruses vaccine monitoring, infection and immunity	Lisa_ng@idlabs.a-star.edu.sg
7	Prof Marco Vignuzzi		Antiviral Therapeutics, RNA viruses, virology, big data analytics and evolutionary sciences	Marco_vignuzzi@idlabs.a-star.edu.sg
8	Prof Wang Yue		Fungal pathogens – Candida species, i.e., C. albicans, C. glabrata, C. auris, Antifungal resistance mechanisms	Wang_yue@idlabs.a-star.edu.sg

A*STAR ID Labs

9	A/Prof Amit Singhal	Bacterial Immunopathology, bacteria, host-directed therapy, Tuberculosis, Mycobacterium infection, vaccine and adjuvant monitoring, infection and immunity	Amit_singhal@idlabs.a-star.edu.sg
10	A/Prof Pablo Bifani	Antimicrobial Resistance, bacteria, Acinetobacter spp and Klebsiella pneumoniae, Staphylococcus aureus, phage therapy and resistance	Pablo_bifani@idlabs.a-star.edu.sg
11	Dr Matthew Tay	Antimicrobial Biologics, Antimicrobial-resistant pathogens, antibody discovery, coronaviruses, high throughput microfluidics, vaccine monitoring	Matthew_tay@idlabs.a-star.edu.sg
12	Dr Guillaume Carissimo	Mosquito-borne and emerging infectious diseases, Alphaviruses, cellular viral hijacking, antiviral therapies,	Guillaume_carissimo@idlabs.a-star.edu.sg
13	Dr Stefan Oehlers	Bacterial Pathogenesis, bacteria, zebrafish models of persistent M. abscessus infection, non-mycobacterium infections, host directed therapies,	Stefan_oehlers@idlabs.a-star.edu.sg
14	Dr Teo Teck Hui	Mucosal Infection, bacteria, Klebsiella Pneumonia, phage therapy and resistance	Teo_teck_hui@idlabs.a-star.edu.sg
15	Dr Lum Fok Moon	Pathogen Modulation, neuroinflammation neurotransmitters modulating host immune responses during arboviral, Arboviruses, host directed therapies, Mosquito-borne and emerging infectious diseases	Lum_fok_moon@idlabs.a-star.edu.sg
16	Dr Chen Hsiu-Yi	Bioinformatics, machine learning tools, predictive models for antibody responses, vaccines	Chen_hsiu-yi@idlabs.a-star.edu.sg
17	Dr Fong Siew Wai	Arboviruses, Mosquito-borne and emerging infectious diseases, Immunomodulatory mosquito salivary proteins, vector-pathogen-host	Fong_siew_wai@idlabs.a-star.edu.sg

18	Dr Goh Yunshan		Pathogen Immunobiology, Respiratory viruses, infection and immunity, potential correlates of protection, multiplex flow cytometry tools	Goh_yun_shan@idlabs.a-star.edu.sg
19	Dr Angeline Rouers		Pathogen Immunobiology, Respiratory viruses, infection and immunity, potential correlates of protection, flow cytometry tools	Angeline_Rouers@idlabs.a-star.edu.sg
20	Dr Chang Zi Wei		Pathogen Immunobiology, Respiratory viruses, infection and immunity, potential correlates of protection, flow cytometry tools	Chang_zi_wei@idlabs.a-star.edu.sg
21	Dr Low Jun Siong		Infection and immunity, virology, respiratory viruses	Low_jun_siong@idlabs.a-star.edu.sg
22	Dr Kang Chang Wei	A*STAR IHPC / PREPARE	Environmental flow modeling including disease transmission, Ventilation, energy and thermal comfort, Indoor air quality	kangcw@ihpc.a-star.edu.sg
23	Prof Antonio BERTOLETTI		Characterization virus-specific T cells	antonio@duke-nus.edu.sg
24	Asst Prof Jesscia HO		Virus Infection and Inflammation	jessica.ho@duke-nus.edu.sg
25	Asst Prof Mart LAMERS		Virus pathogenesis and evolution	mart@duke-nus.edu.sg
26	Prof LOK Sheemei		Virus structure & function	sheemei.lok@duke-nus.edu.sg
27	Prof OOI Eng Eong		Dengue pathogenesis	engeong.ooi@duke-nus.edu.sg
28	Asst Prof OOI Yaw Shin		Molecular & cellular virology	yawshin.ooi@duke-nus.edu.sg
29	Prof Gavin SMITH		Virus evolution & zoonotic surveillance	gavin.smith@duke-nus.edu.sg
30	Assoc Prof Ashley ST. JOHN	Duke-NUS, EID	Viral immunology, host-pathogen interactions, allergy, maternal-fetal immunology	ashley.st.john@duke-nus.edu.sg
31	Prof WANG Linfa	Duke-NUS, EID / PREPARE	Emerging zoonotic viruses	linfa.wang@duke-nus.edu.sg

32	Dr Weng Ruifen	DxD Hub / PREPARE	In-Vitro Diagnostics (Molecular Dx, Immuno Dx); Digital Diagnostics and Digital Therapeutics; Medical devices regulatory affairs	weng_ruifen@dxdhub.sg
33	A/Prof Sanjay Haresh Chotirmall	LKC Medicine	Respiratory Infectious Diseases	schotirmall@ntu.edu.sg
34	A/Prof Kevin Pethe		Bacterial ID	kevin.pethe@ntu.edu.sg
35	A/Prof Yap Peng Huat Eric		Vector-Borne Diseases	ericyp@ntu.edu.sg
36	A/Prof Luo Dahai		Vector-Borne Diseases	luodahai@ntu.edu.sg
37	A/Prof Tan Boon Huan		Respiratory Infectious Diseases	tboonhuan@ntu.edu.sg
38	Asst Prof Lim Jue Tao		Modeling Implementation Science	juetao.lim@ntu.edu.sg
39	Asst Prof Keisuke Ejima		Modeling Implementation Science	keisuke.ejima@ntu.edu.sg
40	Asst Prof Guan Xue Li		Bacterial ID	xueli.guan@ntu.edu.sg
41	Asst Prof Tiew Pei Yee		Modeling Implementation Science	peiyee.tiew@ntu.edu.sg
42	Prof Laurent Renia		LKC Medicine / A*STAR ID Labs	Vector-borne diseases; Pathogen Immunobiology, Malaria, zoonosis, coronaviruses vaccine monitoring, aquaculture viruses vaccine, infection and immunity
43	Asst Prof Chia Po Ying	LKC Medicine / NCID	Vector-Borne Diseases	poying_chia@ntu.edu.sg ; poying_chia@ncid.sg
44	A/Prof Yeo Tsin Wen	LKC Medicine / PREPARE	Vector-Borne Diseases; Clinical Research, Regional networks	yeotsinwen@ntu.edu.sg
45	Dr Chen I-Cheng Mark	NCID	Infectious disease surveillance	Mark_Ic_Chen@ncid.sg
46	Asst Prof Kalisvar Marimuthu		i. Transmission dynamics of emerging infectious diseases and multidrug-resistant organisms; ii. Healthcare-associated	kalisvar_marimuthu@ncid.sg

			Infections and MDRO surveillance	
47	A/Prof Ng Oon Tek		AMR, whole genome sequencing	oon_tek_ng@ncid.sg
48	Asst Prof Sadarangani Sapna Pradip		Clinical/translational research in vaccinology/vaccine-preventable diseases and emerging infectious diseases	sapna_sadarangani@ncid.sg
49	Prof David Lye Chien Boon		Clinical trials, AMR, SARS-CoV-2, dengue	David_Lye@ncid.sg
50	A/Prof Barnaby Edward Young		Human Challenge Studies, Clinical Trials, Research Databases	barnaby_young@ncid.sg
51	Asst Prof Shawn Vasoo Sushilan	NCID / PREPARE	Emerging infectious diseases, clinical infectious diseases, antimicrobial resistance	shawn_vasoo@ncid.sg
52	Dr Judith Wong	NEA EHI / PREPARE	Environmental microbiology, wastewater-based epidemiology surveillance, and arbovirus research	Judith_WONG@nea.gov.sg
53	A/Prof Justin Chu		Virology; Antiviral Therapeutics, Viral Vaccine, Host-virus interactions	miccjh@nus.edu.sg
54	Prof Wang De Yun		Rhinology/Allergy	entwdy@nus.edu.sg
55	Asst Prof SHAM Lok To (Chris)		Molecular genetics, Streptococcus pneumoniae, Antimicrobial resistance	lsham@nus.edu.sg
56	A/Prof Gan Yunn Hwen		AMR plasmid transmission, Host pathogen interactions, Bacterial pathogenesis	bchganyh@nus.edu.sg
57	A/Prof Tan Yee Joo		Virology; Protein Chemistry	mictyj@nus.edu.sg
58	A/Prof Thai Tran	NUS	Lung physiology in health and disease (asthma, respiratory infections: host and pathogen interactions)	phstt@nus.edu.sg
59	A/Prof Sylvie Alonso	NUS / PREPARE	Understanding viral determinants and host factors that drive DENV and EV-A71 fitness and virulence; Vaccine	micas@nus.edu.sg

			development.	
60	Asst Prof Catherine Ong	NUS	TB animal models, host-pathogen interactions and clinical trials. Specific areas: CNS-TB, diabetes-TB, neutrophils in TB.	catherine.ong@nus.edu.sg
61	Adj Prof Kelvin Bryan Tan	PREPARE / MOH	Health economics, communicable disease modeling, epidemiology, cost effectiveness analysis	Kelvin Bryan TAN@moh.gov.sg
62	A/Prof Angela Chow	TTSH	Infectious disease epidemiology, healthcare epidemiology, socio behavioral epidemiology, implementation science, infection prevention and control, antimicrobial stewardship	angela_chow@ttsh.com.sg
63	Asst Prof Aung Kyaw Thu	SFA / NTU	Food safety microbiological risk assessment and modelling, Total dietary exposure of chemicals in food, Foodborne disease surveillance and epidemiology, Antimicrobial resistance in the food chain	aung_kyaw_thu@sfa.gov.sg ; kyawthu.aung@ntu.edu.sg