# Project Approval Form

Faculty of Life Sciences and Medicine
Institute of Psychiatry, Psychology and Neuroscience
Faculty of Dentistry, Oral & Craniofacial Sciences
Florence Nightingale Faculty of Nursing, Midwifery & Palliative Care



Student Details
VI
Name of Student: Ileana Guadalupe RANGEL NIETO Admissions Portal Student number: 1915932
Research Degree Programme: MPhil/PhD ⊠ MD(Res) □ (please select)
Department/Division: Centre for Host Microbiome Interactions, Dental Public Health group
Proposed Date of Registration: October ⊠ February □ June □ (please select)
Mode of Attendance: Full-time ⊠ Part-time □ (please select)
Interview Panel Details:
Interviewer 1 (name and position): Eduardo Bernabe, Reader
Interviewer 2 (name and position): Wael Sabbah, Senior Lecturer
Interviewer 3 (if applicable): Elsa Delgado-Angulo, Post-Doctoral Research Associate
FoLSM only: Faculty interview form completed

This form is designed to ensure that applicants are admitted to a research degree in accordance with university policy on good practice, as defined by the university's Regulations Governing Students. It responds to the requirements of the QAA Code, HEFCE, the Research Councils and other funding providers. It ensures that (a) applicants are appropriately selected (b) provided with an offer that is compliant with current Competitions & Marketing Authority (CMA) legislation and (c) adequate arrangements are in place to support the applicant and the research project.

This form <u>must</u> be completed and fully approved by the Faculty before an applicant for an MPhil/PhD or MD(Res) degree is given a formal offer by the university and before the applicant starts work on their project, whether full or part-time. If an informal commitment to offer a place is made to an applicant (for example, after interview) this should only be done once the Admissions office has assessed a formal application as being eligible for an offer and it must be made clear that the offer is provisional only. It will only be confirmed officially by the King's Admissions office after approval is obtained within the Faculty through completion of this form. *The offer letter will not be sent until the form is fully complete and signed off by all relevant parties.* 

In most circumstances the form should be completed by the supervisor(s), with an opportunity for the applicant to contribute to the final version. In certain circumstances, it may be more appropriate for the applicant to lead on the completion of certain sections of the form (i.e. where the research project is initiated by the applicant or where development of the project protocol is recommended as a qualifying condition for the offer), but ultimate responsibility for the accuracy of the information provided rests with the Department/Division/School who must sign off the form. It is important for the reviewer to understand the input that the applicant has had into the project approval process. The applicant should note that acceptance of the offer represents acknowledgement that the information provided in this project approval form represents a summary of the broad outline of the project and it's supporting arrangements at the outset of the registration. This may evolve as the project develops in order for the research to remain consistent with the criteria for the degree or to take account of factors that are outside the control of the Department/Division/School (e.g. staff changes). The applicant will be consulted about major changes to the direction of project during the course of their degree programme but the Department/Division/School reserves the right to initiate changes.

# Guidance on the application process

- The completed form must be accompanied by an application submitted via King's Apply https://apply.kcl.ac.uk/ including independent reference(s), exam transcripts and an English language certificate, where required.
- 2. The School PGR Lead and/or Postgraduate Coordinator may seek appropriate expertise regarding the project.
- 3. Students are expected to do the majority of their research during the period of enrolment and under supervision by the department.
- 4. MPhil/PhD programmes are either 3 or 4 years full-time and up to 7 years part-time. The minimum period of study for full-time students is 2 years and for part-time students it is 4 years.
- 5. MD(Res) programmes are 2 (up to 3) years full-time and up to 5 years part-time.
- 6. Staff employed full-time, including research contract workers, can be registered as full-time students if they are following a full-time study plan.
- 7. Section 2 should be completed for all students so those responsible for approval have information on the costs of the proposed study and how this is intended to be resourced. This does not indicate a financial commitment on behalf of the university to the student as part of the offer. All figures provided should relate to the costs per annum during the 1<sup>st</sup> year which will be subject to inflationary increases during subsequent years of study.
- 8. Sections 2A or 2B indicate that a financial commitment is being extended to the student by the Department/Division and should therefore be completed only where this funding has been fully confirmed. If confirmation of funding is not available, or the applicant has personal funding (e.g. via an overseas government, employer, etc.) these sections should be left blank. If funding is confirmed but part of the detail is missing (e.g. an internal account code may only be confirmed to the Department/Division close to the registration date) please enter 'TBC' and ensure the information is uploaded to the application on King's Apply when this is available.
- 9. Tuition fees can be found on the relevant research course page on the <u>online prospectus.</u> Please note the amounts in sections 2A or 2B.
- 10. The first supervisor must be a member of King's academic staff, or staff with an equivalent honorary contract with King's, for the duration of the student's period of study. Both supervisors should normally have obtained a doctorate and have established research experience. A least one member of the supervisory team must have a successful record of supervising a doctoral (PhD or MD Res) student to completion. All first supervisors must have attended the King's supervisory professional development session during the past five years. All new supervisors must undertake the training course organised by Centre for Doctoral Studies.
- 11. The nomination of Independent Scientific Experts as members of the thesis progression committee (relevant only to FoLSM and FoDOCS) is not mandatory at the offer stage but can be deferred to registration of the student + 2 months.
- 12. All applicants must be interviewed by an appropriate panel comprised at least 2 academic members of staff, who each must have clearly defined roles and who should have completed equal opportunities or unconscious bias training. Mixed gender panels are preferred. Students who have not been appointed on the basis of competitive selection (e.g. self-funded students, independently funded students or members of staff) must attend an interview with a panel which includes the PGR Coordinator (or equivalent), Admissions tutor or a delegate. In the case of FoLSM the panel will ideally comprise of the PGR Lead/PGR Coordinator and two academic members of staff. The FoLSM PGR lead/PGR Coordinator may nominate a delegate; the nominated delegate must be an academic member of staff who is independent of the supervisory team. In the case of FoDOCS, the panel will consist of at least three members of academic staff, including one who is outside of the supervisory group, and candidates will only be accepted if all three members are in agreement. Interview panels should ensure that candidates have appropriate English language skills.
- 13. Appropriate arrangements must be made for overseas students who cannot be interviewed in person.

The topic for research outlined below gives a broad outline of the project to be undertaken at the outset of the registration period. This does not preclude adjustments to the project plan being made at a later date as the research progresses to take into account results obtained by the student, developments in the wider subject area and/or feedback received on the work but this will take place in full consultation with the student.

## 1. Project Details and Peer Review

Title of project:

### **DIETARY PATTERNS AND PERIODONTAL DISEASE AMONG ADULTS**

Has this project been subject to full external peer review in the form of a grant application or studentship award?

Yes □ No ⊠

If 'yes' please give details below or attach supporting paperwork. The remainder of this form must be still be completed in full and will be subject to independent internal review.

#### **Background**

Dietary risk factors are major contributors to morbidity and mortality from several noncommunicable diseases (NCD's), including oral conditions (Kassebaum et al., 2014). Although the definition of what constitutes a healthy diet is constantly evolving depending on current understanding of how food groups, essential nutrients and patterns of consumption affect people's health, most researchers would agree that a healthy diet is one that provides a balanced intake of macronutrients without excess calories and sufficient micronutrients and hydration to meet the energy and physiological needs of the body (FAO, 2020). Improving diet is one of the World Health Organization (WHO) strategy to reduce the burden of NCDs (Ghebreyesus, 2020).

Dietary factors have been linked to oral conditions for decades. Nobody can dispute the causal links between high intake of sugars and dental caries or between the low consumption of fruits and vegetables and oral cancer. On the contrary, the role of dietary factors in relation to periodontal disease has just started to be explored, with some conflicting evidence (Baumgartner et al., 2009). This novel research area might benefit from studies that emphasis the entire diet of individuals over the role of single nutrients (such as fibre or sugars) or food groups (such fruits and vegetables). A whole diet assessment can better explain habitual food consumption because humans consume foods as a combination or a variety of foods. The analysis of dietary patterns recognises the complexity of diets, potential additive effects between different food groups, as well as the variability in dietary patterns existing within and between populations (EAT-Lancet Commission, 2019).

# Aim of the study

The aim of this study is to investigate the relationship between dietary factors and periodontal disease among adults.

# Proposed plan of work

This project will analyse data from the National Health and Nutrition Examination Survey (NHANES) 2011-2016, which collected information on participants' diet through two 24-hour dietary recalls and a food frequency questionnaire (FFQ) and periodontal status using full-mouth assessments by trained dentists. Two case definitions of periodontitis will be assessed, namely the CDC-AAP definition for population-based surveillance of periodontitis (Page and Eke, 2007) and the 2017 World Workshop definition for clinical monitoring of periodontitis (Tonetti et al., 2018). Dietary recall data will be used to estimate nutrient and total calory intake. FFQ data will be used to estimate consumption of food groups and to derive dietary patterns. Dietary patterns will be derived using both a-priori and a-posteriori approaches. The a-priori approach will evaluate the healthiness of the diet based on current United States (US) nutrition guidelines, which will then be aggregated to produce a summary measure of dietary quality of individuals. The a posteriori approach will be based on multivariate data reduction techniques to reveal underlying common food consumption patterns. Dietary patterns associated with chronic conditions, such as the Western diet, the Mediterranean (prudent) diet and the inflammatory diet will also be derived from participants' responses. The association of different dietary factors and periodontitis will be assessed in regression models adjusted for relevant confounders.

## References

Baumgartner S, Imfeld T, Schicht O, Rath C, Persson R E, Persson GR. The impact of the stone age diet on gingival conditions in the absence of oral hygiene. J Periodontol. 2009; 80: 759-68.

FAO. Fruit and vegetables – your dietary essentials. The International Year of Fruits and Vegetables, 2021, background paper. Rome; 2020.

Kassebaum NJ, Bernabé E, Dahiya M, Bhandari B, Murray CJL, Marcenes W. Global Burden of Severe Periodontitis in 1990-2010: A Systematic Review and Meta-regression. J Dent Res. 2014; 93(11): 1045-1053.

EAT-Lancet Commission. 2019. Healthy Diets from Sustainable Food Systems Food Planet Health.

Page RC, Eke PI. Case Definitions for Use in Population-Based Surveillance of Periodontitis. *J Periodontol.* 2007;78 (Suppl 7S):1387-99.

Tonetti MS, Greenwell H, Kornman KS. Staging and grading of periodontitis: Framework and proposal of a new classification and case definition. J Clinical Periodontol. 2018;89(Sppl 1):S159-S172.

World Health Organization. 2020. Oral Health Achieving better oral health as part of the universal coverage and noncommunicable disease agendas towards 2030.

\*Animals:

Resources What project-specific resources does the study need (e.g. imaging time, access to specialist equipment, access to specific clinical samples) and how will these be provided?					
The project will be based on secondary a statistical software for nutrition analysis			h, it will require access	to relevan	t dietary and
Does the project require access to NHS p	atients?		Yes □	No ∑	₫
If yes, supervisor(s) should have discussed from King's Health Partners (KHP) Clinica from a suitable member of the CAG's/ Op approval by that Committee at a later sto	l Academic Group perations Director	os (CAGs) / Operation	s Directorates, should i	have the su	ipport in principle
The project has been discussed and is su clinical service(s)/CAG(s)/Operations Dire		ole by the relevant	Yes □ I	No □ N/A	A 🖂
Name of relevant KHP CAG(s)/Operation	s Directorate cons	sulted:			
Training Are there any specialist training needs? I Nothing beyond what the supervisors ca		se be met?			
<b>Distinctiveness</b> If it is part of a larger programme of research, in what way will the project provide a discrete and distinctive area of study for the student? If not applicable, please state why.					
This is a stand-alone project, thus contributing uniquely to the research field.  Intellectual contribution  What has been the contribution of the student to planning the proposed study (including details of the student's contribution to completing this form)?  The project was conceived by the primary supervisor after discussing some potential topic within the candidate research					
interests. The student drafted the proposal on page 2 under the guidance of the primary supervisor.					
Statutory Issues	Tieleses	15 constants de	toile le dans de latin a se		
Does project involve the following?  Human participants	Tick one  Yes ⊠ No□		tails below, deleting as reference #: Not neede		anonymised
Storage of patient data on a computer	Yes □ No⊠	Will patients' detai	ls be anonymised?	Yes	□ No□ N/A⊠
Access to confidential data	Yes □ No⊠	-	essociated data storage ecurity and data protec		□ No□ N/A⊠
Use of radioisotopes/radiation source	Yes □ No⊠	Is radiation project Safety Services	registered with Health	& Yes	5□ No□ N/A⊠
Experimental animals* *please note which animals below	Yes □ No⊠	Home Office Licent	ces in place?	Yes	s□ No□ N/A⊠
Genetically manipulated organisms	Yes □ No⊠	Has appropriate HS	SE approval been obtain	ned? Yes	s□ No□ N/A⊠
Home Office/HSE/DEFRA notifiable pathogens	Yes □ No⊠	Have appropriate a notifications been	made?		s□ No□ N/A⊠
If ethical or other statutory approvals are required for the project but are not currently in place, please explain how and when these will be obtained, and who will take responsibility to ensure all approval and permissions are obtained?  The project will be based on secondary analysis of publicly available data from national surveys in the United States.					

Has a full COSHH risk asses	ssment been carr	ied out?			Yes □ No □	N/A		
If 'no', who will be respons	sible for ensuring	a risk as	sessment is conducted be	efore the	project commen	ces?		
The project does not involve	ve any treatment	t or use o	of hazardous materials. Th	hus, a COS	SHH is not require	ed.		
Is a Disclosure Barring Serv	vice (DBS) check i	required	?		Yes		No ⊠	
Is a Disclosure Barring Serv	vice (DBS) certific	ate requ	ired by registration?		Yes		No ⊠	
If no, when is a Disclosure	Barring Service (	DBS) cer	tificate required by?					
Is an Occupational Health (	(OH) check requi	red?			Yes		No ⊠	
Is an Occupational Health (		_			Yes [		No ⊠	
If no, when is Occupationa	l Health clearanc	e requir	ed by?					
Please tick which OH requi	rements apply:							
OH Required for all stude		ne						
Regular direct patient cor	ntact and involvi	ng EPP						
Regular direct patient cor	ntact, not involvi	ng EPP						
Patient specimens (e.g. b	lood or tissue sa	mples)						
Genetically modified or b			pose a hazard to human	health				
Exposure to human patho			<u> </u>		ns)			
Hazards for which health			<u> </u>		,			
Trazaras for Willer freatti	3di vellidilee is ii	ecc33a1 y	(e.g. respiratory sensitise	-13/				
If OH clearance is require	ad following an	offer to s	tudy the applicant will re	eceive an	email invite from	the		
Occupational Health COH	_							
	•							
Will the student carry out	off campus stud	y?			Yes 🗌 No 🛭	₹		
If yes, please provide detai	ils of any project	work tha	at will be conducted over	seas / at a	a partner instituti	on or o	collaboratin	g
organisation. The Off-Campus Study form should be completed for all students if more than one month is spent off-campus in								
the UK or more than one w								y, and
supervisory arrangements should be provided. Students working off-campus must comply with the College Regulations.								
The student is expected to work on campus during the full duration of her studies.								
2. Funding (all students)								
Research costs								_
What are the projected cos	sts for the period	d of study	v? Please specify helow					
vviide die the projected co.	ots for the period	or stad	y. Thease speemy below.					
Tuition fees	Stipend		Consumables/	Other		Tota	l	
	•		Research Training					
			Support (RTS) Fees					
£25,800 (2021/22)	N/A		£3,000 annually for 3	N/A			800 (2021/2	
annually for 3 years			years			annu	ually for 3 ye	ars
	<b>-</b>							
Cost of research (bench/R) Please only state bench/R)		, to bo in	waisad to the applicant o	rthairfu	ndar diractly and	not co	warad by a	
KCL/KHP administered grain	•				•		•	<u>م</u>
confirmation of the accour	•			unuci(3)	comming the st	aaciic	inp, and the	-
D 10								D.T.C
Band Range		Actual	Amount (per annum)		Account Code (	to rece	eive bench/	KIS
☐ No Bench/RTS Fee		Drovida	e justification		fees): N/A			
Band 1 and 2, please pro	vide a summanı		-		11/ <i>P</i> 4			
		£3,000			TS14014			
☐ Band 2 (£5,001 to £9,9		13,000			1317017			
	· ,				Ī			

☐ Band 3 (£10,000 and above)					
For Band 3 fees, please attach a full breakdown of research training and support costs or budget sheet from grant application					
(as applicable)					
Origin of intended financia annum (exclusive of inflation		and the project. Plea	se tick and enter approxim	ate amounts of funding per	
amam (exclusive of influen	Tuition fees	Bench/RTS fees	Living costs (stipend)	Travel/Training/Misc.	
Research Council Grant			S **** (** )****	J. S. P. S.	
Centre for Doctoral					
Studies Funding Scheme:	£7,740				
30% tuition fee waiver					
Overseas Government: CONACYT	£18,060		ТВС		
UK Government					
Charity					
Industry					
Departmental/ Faculty studentship					
Self-funded/Family*		£3,000			
Other (please specify)					
Full Name & Address of fun	der:				
CONACYT					
Av. Insurgentes Sur 1582,			Is this funding confirmed	? Yes $\square$ No $\boxtimes$ NA $\square$	
Col. Crédito Constructor  Alcaldía Benito Juárez, C.P. 03940,  If yes, please attach a funding attach a letter or confirmation of aw					
Ciudad de México	03940,		If not available please select "N		
Tel: (55) 5322-7700					
https://www.conacyt.gob.n	nx/				
Duration of tuition fee funding 01/10/2021 to 30/09/2024					
Duration of bench fee funding: 01/10/2021 to 30/09/2024					
Please provide details of any bench fees that are funded locally or by a KCL/KHL grant or studentship: King's College London will offer CONACYT funded students a tuition fee discount of 30% for up to 3 (three) years for PhD students.					
Does the financial support available cover the full costs of the study? If not, how is the study to be funded? If awarded					
				quires an offer letter in order to	
apply. She will be unable to join the programme without that financial support.					
*Self-funded students Please provide information on how the student will fund their studies. This should include information					
relating to cost of living expenses, tuition fees and other bench fees or research costs (see Fees and Funding section) for more					
information on costs of living in London).					
Office use only: DIR code (where applicable)					
2A) Complete for projects with confirmed funding by Research Council Doctoral Training Grants ONLY					
Please note this information will also be used by the Centre for Doctoral Studies for the electronic submission of Doctoral					
Training Grants					
Please indicate the Researc	h Council(s) funding	this student:			
BBSRC □ MRC □ NERC □ EPSRC □ ESRC □ AHRC □ STFC □					

Type of studentship:				
Standard DTP $\square$ CASE $\square$ Centre (CDT) $\square$ Capacit	y Building $\square$ Other $\square$	_ (please state)		
For grants paid through university/Faculty please	give account from which fees will be paid			
Grant Code				
Amount of fees to Home UKRI Rate ☐ Overseas ☐	☐ Other Amount ☐ (please state)			
Does the grant pay a stipend? Yes ☐ No ☐ (If applicable please give details of amount per an	num and duration)			
£				
Classification				
For BBSRC studentships please select the subject area most relevant to the research project:	<ul> <li>☐ Animal Systems, Health and Wellbeing</li> <li>☐ Plants, Microbes, Food and Sustainability</li> <li>☐ Technologies and Methodological Development</li> <li>☐ Molecules, Cells and Industrial Biotechnology</li> </ul>			
Collaboration (if applicable, normally CASE stude	ntships)			
Name & address of collaborating organisation(s):				
[If available, please provide a copy of the applicati	on form to the Research Council]			
Name & address and contact details of industrial supervisor:				
Details of Collaborating Organisation Contribution (total amount and use of funding)  £				
Period spent on Industrial Premises (months):				
2B) Complete for projects with confirmed fund	ling by all other sources administered thr	ough KCL ONLY		
Please detail type (studentship, fellowship, project grant, or specify other) and source of grant				
For grants paid through university/Faculty please give account from which fees will be paid.				
Account Code				
Amount of fees to Home Rate □ Overseas □ Other Amount □ (please state)				
Does the grant pay a stipend? Yes □ No □ (If applicable please give details of amount per annum and duration)				
f				

3. Supervisors				
First Supervisor / Co-supervisor (delete as applicab	le)			
Full Name (including title):	Academic Position	1:		
Dr Eduardo Bernabe	Lecturer □ Senior Lecturer □ Reader ⊠ Professor □			
Degree Qualifications:	KCL ⊠ Honorary			
BDS, MSc, PhD	Date of Expiry of C	Contract? Perma	nent	
Number of research degree students previously supervised	MPhil/PhD: 6	MD(Res): 0	Other (e.g. DClinPsych): 0	
Number of above who withdrew or did not complete	MPhil/PhD: 0	MD(Res): 0	Other (e.g. DClinPsych): 0	
Number of FT research degree students currently supervised	MPhil/PhD: 3	MD(Res): 0	Other (e.g. DClinPsych): 0	
Number of FT research degree students currently supervised	Year 1 <u>0</u> Year	ar 2 <u>1</u> Yea	ar 3 <u>2</u> Year 4	
Research Degree Supervisory course(s) attended				
Course name: Research Degree Supervision Refresher Training	WEBINAR			
Date: February, 20 <sup>th</sup> 2017	Hoste	ed by: Centre for	Doctoral Studies	
Department/ Division: CHMI	Room, Building an Denmark Hill cam	•	n 219, Dental Extension,	
Telephone Number: Email address:				
020 3299 3022	eduardo.bernabe@kcl.ac.uk			
Second Supervisor / Co-supervisor (delete as applic	cable)			
Full Name:	Date of Expiry of C	Contract:		
rof. Luigi Nibali Permanent				
Degree Qualifications: Position :				
DipDent, MSc, PhD	Lecturer □ Senior Lecturer □ Reader □ Professor ☒ Other □ Please state:			
Number of research degree students previously supervised	MPhil/PhD 2	MD(Res)	Other (e.g. DClinPsych)	
Number of above who withdrew or did not complete	MPhil/PhD	MD(Res)	Other (e.g. DClinPsych)	
Number of FT research degree students currently supervised	MPhil/PhD 1	MD(Res)	Other (e.g. DClinPsych)	
Number of FT research degree students currently supervised Year 1 1 Year 2 Year 3 Year 4				
Research Degree Supervisory courses attended:				
Course Name: PhD supervision refresher				
Date: May 2020	Hosted by: K	ing's College Lor	ndon	
Department/ Division: Periodontology/ Centre for Host- Microbiome Interactions	Room, Building and Campus: 18 <sup>th</sup> Floor, Guy's Tower			
Telephone Number:	Email address: luis	gi.nibali@kcl.ac.	uk	
	Liliali addi ess. idig	Simbane Kenaci	<u> </u>	

Committee Chair; **FNFNM&PC** – PhD Coordinator.

4. Project Agreement and Approval
We approve the application and agree to the appointment of the above named applicant. We certify that the information given in this form is accurate. We understand that the research for a PhD or an MD(Res) and the preparation of the thesis must be completed in the period prescribed for this particular degree programme. We believe that the applicant will be able to devote the necessary time required to complete their research and thesis in the specified study period. Sufficient resources are expected to be available to enable the applicant to complete the project satisfactorily. <i>Please sign below</i>
First Supervisor / Co-supervisor (delete as applicable)
PrintEduardo Bernabe Signed
Date09/03/2021
Second Supervisor / Co-supervisor (delete as applicable)
PrintLuigi Nibali Signed
Date14/03/2021
Student
I confirm that the above information is correct. I understand that an offer of a place on a programme does not guarantee funding and that if I am not in receipt of funding I will have to cover the costs by my own means.
Print:Ileana Guadalupe RANGEL NIETO Signed  Date8 <sup>th</sup> of March 2021.
PLEASE NOTE THAT THE FORMAL UNIVERSITY OFFER LETTER CANNOT BE ISSUED BY ADMISSIONS UNTIL THE FORM IS FULLY COMPLETED, SIGNED AND DATED. ONCE COMPLETE, THIS FORM MUST BE UPLOADED BY THE DEPARTMENTAL / DIVISIONAL ADMISSIONS TUTOR TO THE APPLICATION ON KING'S APPLY. PLEASE NOTE THAT THE ROLE OF THE BELOW AUTHORISED SIGNATORIES VARIES ACCORDING TO FACULTY.
Approval of suitability
I approve the application and admission of this student and confirm that the application meets the necessary standards.
PrintKaren Liu Signed
Role Postgraduate Coordinator Date19 March 2021
Authorised signatories: <b>FoLSM</b> – School PGR Lead/PGR Coordinator; <b>FoDOCS</b> – Postgraduate Coordinator; <b>IoPPN</b> – PGR Sub-

Approval of finances			
I confirm that resources have been costed approp	riately for the	e applicant to complete	the project satisfactorily should funding
be in place either from a grant/scholarship or self-	-funded.		
			٥١.
		_ Signed	RILL
PrintEduardo Bernabe		_ Signed	
Role Primary supervisor		Date	15/03/2021
Authorised signatories: FoLSM - School Manager;	IoPPN - Dep	artment Business Mana	iger; FoDOCS – Postgraduate
Coordinator or First Supervisor; FNFNM&PC – Phl	D Coordinato	r.	
,			
Confirmation of facilities / space / additional reso	ources		
I confirm that the necessary facilities and space ar	e available fo	or this student and any a	additional resources have been costed
appropriately.			
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	o		
PrintGordon Proctor	Signed		
Role Head of CHMI	Date	15-030-2021	
Authorised signatories: <b>FoLSM</b> – Head of School;	IoPPN – Head	d of Department; <b>FoDO</b>	CS – Head of Division; FNFNM&PC -
PhD Coordinator			

# For Office Use:

Thesis Progression Committee Chair/ Sub-committee Chair (	Mandatory at Project Approval Stage)			
FoLSM only: to be appointed by School PGR Lead/PGR Coordinators				
FoDOCS only: Supervisors must confirm thesis committee pane	el within 2 months of the student's start date.			
Full Name: Karen Liu	Research Group or Division: CCRB			
Telephone Number:	Email address: Karen.liu@kcl.ac.uk			
Room, Building and Campus: Floor 27, Guy's Tower				
Independent Scientific Expert (Optional at Project Approval	Stage)			
FoLSM only: to be assigned by supervisor(s) within three mon	-			
Full Name:	Research Group or Division:			
Telephone Number:	Email address:			
Room, Building and Campus:				
Independent Scientific Expert 2 (Optional at Project Approval Stage)				
Full Name:	Research Group or Division:			
Telephone Number:	Email address:			
Room, Building and Campus:				
Postgraduate Coordinator / Tutor / Progress Reviewer (Mandatory at Project Approval Stage)				
Full Name: Karen Liu	Research Group or Division: CCRB			
Telephone Number:	Email address: Karen.liu@kcl.ac.uk			
Room, Building and Campus: Floor 27, Guy's Tower				