

## JOB DESCRIPTION

<b>Job Title:</b>	Post-doctoral Research Assistant
<b>Department / Unit:</b>	ISG
<b>Job type</b>	Research
<b>Grade:</b>	RHUL 7
<b>Accountable to:</b>	Martin Albrecht
<b>Accountable for:</b>	
<b>Purpose of the Post</b>	
Prof. Martin Albrecht received funding to study the security of lattice-based and post-quantum cryptographic constructions from EPSRC. The project aims to provide confidence when selecting parameter sizes and schemes.	
<b>Key Tasks</b>	
Conducting research in lattice-based cryptography in collaboration with Prof. Albrecht and the other team members;	
Writing papers, reports and presentations;	
Attending conferences, workshops, and summer schools to disseminate the research;	
Assisting in arranging project meetings and workshops;	
<b>Other Duties</b>	
The duties listed are not exhaustive and may be varied from time to time as dictated by the changing needs of the College. The post holder will be expected to undertake other duties as appropriate and as requested by his/her manager.	
The post holder may be required to work at any of the locations at which the business of Royal Holloway is conducted.	
<b>Internal and external relationships</b>	

The following list is not exhaustive but the post holder will be required to liaise with:

### PERSON SPECIFICATION

Details on the qualifications, experience, skills, knowledge and abilities that are needed to fulfil this role are set out below.

**Job Title: PDRA**

**Department: Information Security**

	Essential	Desirable	Tested by Application Form/Interview/Test
<b>Knowledge, Education, Qualifications and Training</b>			
PhD in relevant discipline	X		App Form
<b>Skills and Abilities</b>			
Ability to work independently	X		App Form and Interview
Willingness and ability to collaborate	X		App Form and Interview
Effective communication: written and verbal	X		App Form and Interview
Creativity and originality in research	X		App Form and Interview
<b>Experience</b>			
Cryptography	X		App Form and Interview
Publications in leading journals/conferences	X		App Form