



## Job Description

<b>College/Management Unit</b>	Systems Biology Ireland
<b>School/Unit</b>	Systems Biology Ireland
<b>Post Title &amp; Subject Area (if relevant)</b>	Postdoctoral Scientist (Gene transcription)
<b>Post Duration</b>	3 years
<b>Reports to</b>	SBI Director
<b>HR Reference No.</b>	004047
<b>HR Administrator</b>	Deirdre Wilmot

### Position Summary

Systems Biology Ireland (SBI; <http://www.ucd.ie/sbi/>) focuses on elucidating the design principles of signal transduction networks in mammalian cells and applying this knowledge to important questions in biology and biomedicine, such as cell fate decisions (differentiation, proliferation and apoptosis). A main aim of SBI's research is to develop and apply computational models based on biological experimentation that open new avenues for understanding and treatment of human diseases on a molecular level. Particular areas of interest are the control of cell fate decisions. This will require a deeper understanding of how cytosolic signalling networks interact with transcription factors and control transcriptional activities. In order to enhance our experimental capabilities in this area, we want to expand our team by a postdoctoral scientist with expertise in the analysis of transcriptional processes.

**Salary: €32,000 - €43,000 per annum**

Appointment will be made commensurate with qualification and experience.

### Principal Duties and Responsibilities

- You will be part of an interdisciplinary team working closely with colleagues from computational science and mathematics. While the emphasis of this post is on experimental work, you will have a strong interest to collaborate with theoreticians.
- You will perform research on transcriptional regulation using cutting edge technologies including transcriptomics, proteomics and advanced imaging.
- You will be an outstanding scientist who aspires to push the boundaries of our current knowledge.
- You will have the opportunity to supervise Masters and PhD students.
- Additional duties may be required from time to time as requested by the SBI Director or his nominee.

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### Selection Criteria

Selection criteria outline the qualifications, skills, knowledge and/or experience that the successful candidate would need to demonstrate for successful discharge of the responsibilities of the post. Applications will be assessed on the basis of how well candidates satisfy these criteria.

#### Mandatory

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| <ul style="list-style-type: none"><li>• A PhD in a relevant discipline</li><li>• Primary research experience in the analysis of gene transcription.</li><li>• An appropriate record of scientific contributions to the field, such as publications or conference contributions.</li><li>• A strong ability to work in and actively contribute to an interdisciplinary research environment.</li><li>• Excellent interpersonal and communication skills, and a strong collaborative spirit.</li></ul> |
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#### Desirable

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| <ul style="list-style-type: none"><li>• Experience in the analysis of transcriptomics data.</li></ul> |
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## Further Information for Candidates

### Supplementary information

The University:	<a href="http://www.ucd.ie/aboutucd.htm">http://www.ucd.ie/aboutucd.htm</a>
The School/Programme Office/Unit:	<a href="http://www.ucd.ie/sbi">http://www.ucd.ie/sbi</a>

### Relocation Expenses

- Will not apply
- Will be applied in accordance with the UCD policy <http://www.ucd.ie/hr/html/manual/remvexp.pdf>

### Informal Enquiries ONLY to:

Name:	Walter Kolch & Boris Kholodenko
Title:	Profs
Email address:	<a href="mailto:systemsbiology@ucd.ie">systemsbiology@ucd.ie</a>
Telephone:	

### Particular to this position

Conditions specific to this post (if any):

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| <ul style="list-style-type: none"><li>• n/a</li></ul> |
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