



<b>Job title</b>	Senior Research Fellow - Responsible Research & Innovation	<b>Job family and level</b>	Research & Teaching Level 5
<b>School/ Department</b>	School of Life Sciences	<b>Location</b>	Synthetic Biology Research Centre (SBRC), BioDiscovery Institute, University Park Campus

## Purpose of role

The University of Nottingham’s Synthetic Biology Research Centre (SBRC) is offering the position of a Senior Research Fellow in Responsible Research and Innovation as part of an exciting interdisciplinary large scale project, involving the creation and exploitation of gas fermenting microbial chassis as it relates to the sustainable production of chemicals and fuels.

The successful candidate will conduct high quality research, shape the core SBRC project as well as related projects, take initiative, and publish the results of the work in high quality outlets and publications. Work will focus in particular on further developing and implementing a framework of Responsible Research & Innovation (RRI) and bringing the social science part of the project to fruition, paying particular attention to developing interactions with industry and policy makers. The role holder will collaborate with the SBRC Outreach Officer in shaping project related-engagement activities. The role holder will also have the opportunity to use their initiative and creativity to identify areas for research, develop research methods and extend their research portfolio.

	<b>Main responsibilities</b> (Primary accountabilities and responsibilities expected to fulfil the role)	<b>% time per year</b>
1	<ul style="list-style-type: none"> <li>To take the lead on, plan, develop and conduct research using recognised approaches, methodologies and techniques to support the development of RRI approach within the SBRC objectives including to plan and manage own research activity and resolve problems, if required, in meeting own/team research objectives and deadlines in collaboration with others.</li> </ul>	50%
2	<ul style="list-style-type: none"> <li>To develop postgraduate training and continued professional development material for RRI (such as components in research ethics, public engagement, research governance) related to Synthetic Biology.</li> </ul>	5%
3	<ul style="list-style-type: none"> <li>To establish a national reputation and regularly disseminate and explain research findings through leading peer-reviewed national publications (on a sustained basis), conferences and other appropriate media.</li> </ul>	5%
4	<ul style="list-style-type: none"> <li>To acquire, analyse, interpret and evaluate research findings/data using approaches, techniques, models and methods selected or developed for the purpose including to contribute to the preparation of internal and external written reports and presentations to the sponsors.</li> </ul>	5%

5	<ul style="list-style-type: none"> <li>To generate income by developing and winning support for innovative research proposals and funding bids.</li> </ul>	5%
6	<ul style="list-style-type: none"> <li>To build internal and/or external contacts to develop knowledge and understanding, forming relationships for future collaborations.</li> </ul>	5%
7	<ul style="list-style-type: none"> <li>To provide guidance as required to support staff and students, where appropriate in own area of expertise.</li> </ul>	5%
8	<ul style="list-style-type: none"> <li>To build relationships and collaborate actively with internal and external contacts, nationally and if appropriate internationally to complete research projects and to advance the discipline.</li> </ul>	5%
9	<ul style="list-style-type: none"> <li>To use and contribute to organising research resources and workshops as appropriate and where appropriate, to make a contribution to teaching.</li> </ul>	5%
10	<ul style="list-style-type: none"> <li>To communicate complex and conceptual ideas to those with limited knowledge and understanding as well as to peers, using high level skills and a range of media including to play an active role in outreach activities designed to promote public engagement in the science being undertaken within the SBRC.</li> </ul>	5%
11	<ul style="list-style-type: none"> <li>Be responsible for managing and/or monitoring assets and budgets allocated and the use of research resources to ensure that effective use is made of them.</li> </ul>	5%

## Person specification

	Essential	Desirable
<b>Skills</b>	<ul style="list-style-type: none"> <li>Excellent oral and written communication skills, including the ability to communicate with clarity on complex and conceptual ideas to those with limited knowledge and understanding as well as to peers, using high level skills and a range of media.</li> <li>Evidence of sufficient breadth or depth of research methodologies and techniques to work in this research area.</li> <li>Ability to conduct documentary analysis and to design, conduct and analyse focus groups and semi-structured interviews and their analysis.</li> <li>Ability to organise and run multi-stakeholder workshops.</li> <li>High quality writing for academic &amp; public audience and evidence of ability to publish in peer reviewed journals.</li> <li>Developing research skills, with the ability to creatively apply relevant</li> </ul>	<ul style="list-style-type: none"> <li>Emerging skills in managing and motivating staff.</li> <li>Ability to assess and organise resource requirements and deploy effectively.</li> <li>Ability to foster a research culture and commitment to learn in others.</li> <li>High analytical ability to analyse and illuminate data, interprets reports, evaluate and criticise texts and bring new insights.</li> <li>Experience of conducting interviews and focus groups with senior public officials.</li> </ul>

	<p>research approaches, models, techniques and methods.</p> <ul style="list-style-type: none"> <li>▪ Ability to contribute to method improvement.</li> <li>▪ Analytical ability to facilitate conceptual thinking, innovation and creativity.</li> <li>▪ Ability to build relationships and collaborate with others, internally and externally.</li> <li>▪ Ability to work in an interdisciplinary team.</li> </ul>	
<b>Knowledge and experience</b>	<ul style="list-style-type: none"> <li>▪ Experience of developing research methodologies and devising models, approaches, techniques, critiques and methods.</li> <li>▪ Extensive research experience within subject specialism.</li> <li>▪ Experience and achievement in chosen field, reflected in growing and consistent national reputation.</li> <li>▪ A consistent track record of published research in peer reviewed journals.</li> <li>▪ Extensive experience and demonstrated success in delivering research results.</li> <li>▪ Convening, conducting and evaluating workshops, focus groups, interviews.</li> <li>▪ Using qualitative and quantitative social science methods in interdisciplinary contexts.</li> <li>▪ Working in an interdisciplinary research environment.</li> <li>▪ Ability to develop and apply new concepts and methods.</li> <li>▪ Ability to write for a general audience, including blogging, policy reports and final project reports.</li> <li>▪ Supervising or helping with the supervision of research students.</li> <li>▪ Previous success in gaining support for externally funded research projects.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Enthusiastic and knowledgeable use of social media (twitter, blogging etc.) for outreach and research purposes.</li> <li>▪ Use of webometric and other tools for the analysis of social media.</li> <li>▪ Developing training material and on-line educational tools.</li> <li>▪ Experience in leading research projects and bringing them to fruition.</li> </ul>
<b>Qualifications, certification and training (relevant to role)</b>	<ul style="list-style-type: none"> <li>▪ PhD or equivalent (awarded) in a discipline relevant to social science, political science, bioethics, or philosophy.</li> </ul>	<ul style="list-style-type: none"> <li>▪ Postgraduate qualification or training in social science, bioethics and/or Technology Assessment.</li> <li>▪ Knowledge of the literature relating to: <ul style="list-style-type: none"> <li>○ responsible research and innovation (RRI)</li> <li>○ public engagement</li> <li>○ research ethics</li> <li>○ ethical, legal, social and political issues of emerging technologies</li> </ul> </li> </ul>

		<ul style="list-style-type: none"> <li>○ biotechnology, genetics, genomics, genetic modification/engineering, synthetic biology, microbiology</li> </ul>
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The University of Nottingham is focused on embedding equality, diversity and inclusion in all that we do. As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those with protected characteristics under the Equality Act 2010.

## Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University’s strategy, vision and values. The following are essential to the role:

- Valuing people**                      Is always equitable and fair and works with integrity. Proactively looks for ways to develop the team and is comfortable providing clarity by explaining the rationale behind decisions.
- Taking ownership**                      Is highly self-aware, looking for ways to improve, both taking on board and offering constructive feedback. Inspires others to take accountability for their own areas.
- Forward thinking**                      Driven to question the status quo and explore new ideas, supporting the team to “lead the way” in terms of know-how and learning.
- Professional pride**                      Sets the bar high with quality systems and control measures in place. Demands high standards of others identifying and addressing any gaps to enhance the overall performance.
- Always inclusive**                      Ensures accessibility to the wider community, actively encouraging inclusion and seeking to involve others. Ensures others always consider the wider context when sharing information making full use of networks and connections.

## Key relationships with others

