

Evaluation of BBSRC's Industrial Partnership Award and 'stand-alone' LINK schemes

Appendices

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Appendix 1

Review Panel Membership

Dr Belinda Clarke

ideaSpace Enterprise Accelerator

Mr Tony Hitchcock

RecipharmCobra Biologics

Professor David Pink

Harper Adams University College

Professor Katherine Smart

University of Nottingham

Dr Kellie Watson

Aviagen

Appendix 2

Former IPA Grantholder Questionnaire

A: YOUR GRANT

1. How successful was the project supported by this IPA grant in meeting its objectives?

Please select one option and provide brief comments if you wish

| 1 not at all successful | 2 somewhat successful | 3 successful | 4 very successful |
|----------------------------|--------------------------|-----------------|----------------------|
| | | | |

Comments:

2. If your project was less successful in meeting its objectives than you anticipated, were the reasons for this related to:-

Please select all that apply and provide brief comments if you wish

Please note: issues with your industry partner are covered in more detail in question four.

| Reason | ✓ |
|--|---|
| Staffing difficulties | |
| ▪ I was unable to recruit someone with the necessary qualifications and experience | |
| ▪ Staff temporarily stopped work during the grant | |
| ▪ Staff left during the grant, so I had to re-recruit | |
| ▪ Other – please specify below | |
| Experimental, methodological or technical reasons | |
| Lack of resources (e.g. funding, equipment) | |
| Unrealistic objectives | |
| High-risk hypothesis | |
| Forced to change research direction (e.g. by publication of new data by other researchers) | |
| Regulatory procedures of ethical issues | |
| Issues with your industry partner(s) | |
| Issues with the project's management structure | |
| Other – please specify below | |

3. How successful was the interaction with your industry partner(s) during the grant?

Please select one option and provide brief comments if you wish

| 1 not at all successful | 2 somewhat successful | 3 successful | 4 very successful |
|----------------------------|--------------------------|-----------------|----------------------|
| | | | |

4. If the interaction with your industry partner(s) was less successful than you anticipated, were the reasons for this related to:-

Please select all that apply and provide brief comments if you wish

| Reason | ✓ |
|--|--------------------------|
| The priorities of the industry partner changed | <input type="checkbox"/> |
| The industry partner merged with, or was taken over by, another company | <input type="checkbox"/> |
| The industry partner went out of business | <input type="checkbox"/> |
| The industry partner lost interest in our research findings | <input type="checkbox"/> |
| The industry partner did not provide the support specified in the original application | <input type="checkbox"/> |
| Industry staff involved in the collaboration left the company | <input type="checkbox"/> |
| It was difficult to agree the terms of the collaboration <i>(e.g. Material Transfer Agreements, ownership of intellectual property)</i> | <input type="checkbox"/> |
| There were different views about the direction that the research should take | <input type="checkbox"/> |
| Other - please specify below | <input type="checkbox"/> |

5. Did the interaction with your industry partner(s) continue after the grant ended?

Please distinguish between informal links (e.g. contacts, discussions) and formal links (e.g. research collaboration, joint publication, joint funding application)

| Option | ✓ |
|--|---|
| Yes: we maintained an informal partnership link(s) | |
| Yes: we maintained a formal partnership link(s) | |
| No | |

Do you currently have any interaction with your industry partner(s)?

| Option | ✓ |
|--|---|
| Yes: we currently have an informal partnership link(s) | |
| Yes: we currently have a formal partnership link(s) | |
| No | |

Please provide brief details:

6. How useful was this grant for staff training?

Please consider the training of staff employed on the grant as well as any postgraduate students who were associated with the project

Please select one option for each category and provide brief comments

| Staff type | 1 not at all useful | 2 somewhat useful | 3 useful | 4 very useful | not applicable |
|--|---------------------------|-------------------------|-------------|------------------|-------------------|
| Postdoctoral researchers and research assistants | | | | | |
| Technicians and other support staff | | | | | |
| Postgraduate students | | | | | |
| Other – please specify | | | | | |

7. Did the interaction with your industry partner(s) result in any additional benefits to staff training compared with a standard responsive mode grant?

| Option | ✓ |
|--------|--------------------------|
| Yes | <input type="checkbox"/> |
| No | <input type="checkbox"/> |

8. At the time of your application, had you previously conducted collaborative research with industry?

Please select all that apply and provide brief comments if you wish

| Option | ✓ |
|--|--------------------------|
| Yes: with an industry partner on the IPA grant | <input type="checkbox"/> |
| Yes: with another industry partner | <input type="checkbox"/> |
| No | <input type="checkbox"/> |

Comments:

9. Have you received further funding to develop the work funded by your IPA grant?

| Option | ✓ |
|--------|--------------------------|
| Yes | <input type="checkbox"/> |
| No | <input type="checkbox"/> |

If yes, please provide details:

| Funder(s) | Funding type (e.g. research grant, studentship, contract research) | Value (£) | Duration (months) | Industrial collaboration? |
|-----------|---|-----------|-------------------|---------------------------|
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10. Have you received further funding from your industry partner(s) to conduct research unrelated to your IPA grant?

| Option | ✓ |
|--------|---|
| Yes | |
| No | |

If yes, please provide details:

| Funder(s) | Funding type (e.g. research grant, studentship, contract research) | Value (£) | Duration (months) |
|-----------|---|-----------|-------------------|
| | | | |
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B: RESEARCH OUTPUTS AND OUTCOMES

11. Please list all further publications arising from the IPA grant since the final report was produced, including those that are ‘in press’ or accepted for publication

Please provide details on original research articles as well as other general articles (e.g. reviews, book chapters, articles in popular magazines). We do not require information on conference proceedings, talks or poster presentations.

There is no need to provide details of publications which were reported previously in your final report.

Original research articles in refereed journals

Other articles (e.g. review articles, book chapters, articles in popular magazines)

12. Did any new products, processes, resources, tools or technologies result from this grant?

| Option | ✓ |
|--|---|
| Yes | |
| No | |
| No, but they are likely to in the future | |

Where relevant, please provide a brief description of the product, process, resource, tool or technology, including its (potential) users

Where relevant, please provide details of its exploitation

| Details | Yes | No |
|---|-----|----|
| Does it have potential to be commercially exploitable? | | |
| Has your industry partner(s) been involved in its exploitation? | | |

Overall, what impact has it had to date?

13. Have you or your colleagues applied, or are you likely to apply, for any patents or other form of intellectual property (IP) rights as a result of the research supported by this grant?

| Option | ✓ |
|--|---|
| Yes | |
| No | |
| No, but they are likely to in the future | |

Please provide details where relevant:

| Details | Yes | No | No, but it is likely to in the future |
|---|-----|----|---------------------------------------|
| Has your IP been licensed to companies? | | | |
| Has your IP been licensed by your industry partner? | | | |
| Has your IP yielded any income? | | | |

Description of IP and any other information

14. Did the research supported by this grant contribute to the establishment or further development of a spin-out company?

| Option | ✓ |
|--|---|
| Yes: the research contributed to the establishment of a spin-out company | |
| Yes: the research contributed to the further development of a spin-out company | |
| No | |
| No, but it is likely to in the future | |

If yes, please provide brief details

e.g. company name, area of activity, date established, no. of staff employed, turnover, trading or dormant

15. Did any academic partnerships or networks develop as a result of this grant?

Please distinguish between informal links (e.g. new and improved contacts) and formal links (e.g. research collaboration, joint publication, joint funding application).

Informal partnership links

| Academic partner | Country |
|------------------|---------|
| | |
| | |
| | |
| | |
| | |

Formal partnership links

| Academic partner | Country |
|------------------|---------|
| | |
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| | |

16. Excluding your industry partner(s), did any partnerships or networks develop with industry, commerce or other non-academic users as a result of this grant?

Please distinguish between informal links (e.g. new and improved contacts) and formal links (e.g. research collaboration, joint publication, joint funding application).

Informal partnership links

| Partner | Country | Sector |
|---------|---------|--------|
| | | |
| | | |
| | | |
| | | |

Formal partnership links

| Partner | Country | Sector |
|---------|---------|--------|
| | | |
| | | |
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| | | |

17. Are you aware of any specific academic or non-academic users who have used the findings, outputs or expertise developed during this grant?

For non-academic users, please distinguish between your IPA industry partner(s) and other users.

Please select one option for each item and provide brief details.

| User | Yes | No |
|--------------------------|-----|----|
| Academic users | | |
| IPA industry partner(s) | | |
| Other non-academic users | | |

Knowledge transfer to academic users

Knowledge transfer to IPA industry partner(s)

Knowledge transfer to other non-academic users

| |
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| |
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18. Has your research contributed to outcomes of benefit to the public good, or is it likely to in the future?

| Area | Realised impact | Potential impact |
|--|-----------------|------------------|
| Human health | | |
| Animal health and welfare | | |
| Food security / sustainable agriculture | | |
| Environment / mitigating climate change | | |
| Bioenergy and industrial biotechnology | | |
| Contributions to government policy or meeting government priorities | | |
| Contributions to the reduction, refinement and replacement of animals in experiments | | |
| Other – please specify | | |

Please provide brief details of the most significant impacts

| |
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C: BBSRC’s SUPPORT FOR COLLABORATIVE RESEARCH WITH INDUSTRY

19. How influential was the IPA scheme on your decision to develop and submit a collaborative research proposal with industry?

Please select one option and provide brief comments if you wish

| 1 not at all influential | 2 somewhat influential | 3 influential | 4 very influential |
|-----------------------------|---------------------------|------------------|-----------------------|
| | | | |

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20. To be eligible for the IPA scheme, grant applications must include a 10% cash contribution provided by the industry partner. To what extent is this requirement appropriate?

For example, does this requirement influence the research areas which can be supported, or the type and size of companies which participate in the scheme?

| |
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21. How effective are the application and assessment processes for the IPA scheme?

IPA grant applications are assessed by Research Committees, alongside standard applications, using the same criteria. IPA projects are normally funded in preference to standard grants of equivalent scientific merit, because of the industrial contribution.

Please select one option and provide brief comments if you wish

| 1 not at all effective | 2 somewhat effective | 3 effective | 4 very effective | don't know |
|---------------------------|-------------------------|----------------|---------------------|------------|
| | | | | |

22. Please give your comments, if any, on how BBSRC might improve the IPA scheme

| |
|--|
| |
|--|

23. Overall, how useful is the IPA scheme for promoting collaborative research between UK academics and industry?

| 1 not at all useful | 2 somewhat useful | 3 useful | 4 very useful |
|------------------------|----------------------|-------------|------------------|
| | | | |

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24. Would you consider applying for responsive mode funding through the IPA scheme again?

Please select one option and provide brief comments if you wish

| Option | ✓ |
|--------|---|
| Yes | |
| No | |

25. Overall, how effective are BBSRC's funding mechanisms for supporting collaborative research with industry?

Please select one option and provide brief comments if you wish

| 1 not at all effective | 2 somewhat effective | 3 effective | 4 very effective |
|---------------------------|-------------------------|----------------|---------------------|
| | | | |

26. Please give your comments, if any, on how BBSRC might improve its support for collaborative research with industry

27. Please give any other comments relevant to this evaluation

Other Grantholder and Applicant Questionnaires

The questionnaires sent to other grantholders and applicants were similar to the former IPA grantholder survey:

CURRENT IPA GRANTHOLDER SURVEY

The survey used a subset of the questions from the former IPA grantholder survey: Q3, Q4, Q8, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, and Q27

Some minor changes were made to the wording, as the grants were still active.

IPA APPLICANT SURVEY

The survey used a subset of the questions from the former IPA grantholders survey: Q8, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, and Q27

An additional question was also included:

Did you still develop a research collaboration with the industry partner(s) on the IPA application, even though the project was not funded?

If you have submitted more than one application, please answer with reference to the most recent application for which a funding decision is known.

| Option | ✓ |
|-----------------------------------|---|
| Yes | |
| No | |
| No, but I intend to in the future | |

FORMER 'STAND-ALONE' LINK GRANTHOLDER SURVEY

The survey used the same questions as the former IPA grantholder survey. The wording was changes to reference the 'stand-alone' LINK scheme rather than the IPA scheme.

Question 20 was replaced with:

To be eligible for the LINK scheme, grant applications must include a 50% contribution (cash or in-kind) provided by the industry partner. To what extent, if any, does this requirement act as a barrier to developing a collaborative research proposal?

CURRENT 'STAND-ALONE' LINK GRANTHOLDER SURVEY

The survey used a subset of the questions from the former 'stand-alone' LINK grantholder survey: Q3, Q4, Q8, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, and Q27

Some minor changes were made to the wording, as the grants were still active.