Openness and Commercialisation

Dec 3rd, 2020

University of Strathclyde Glasgow

How to spot the link between openness and commercialisation from the Research Support Service at the institutional Library

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Funding APCs from the research funder's seat: Findings from the *EC FP7 Post-Grant Open Access Pilot*

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Manuscript received on 31th Dec 2018
Accepted on 10th May 2019

> Initiatives for supporting APC payments are the quintessential 'carrot': it's the sole case where the Open Science support team will not need to chase researchers to ensure 'compliance', but authors themselves will instead reach out to the research support team in order to inquiry about the eligibility for funding under a specific initiative

3.1. Lessons learnt – for research libraries

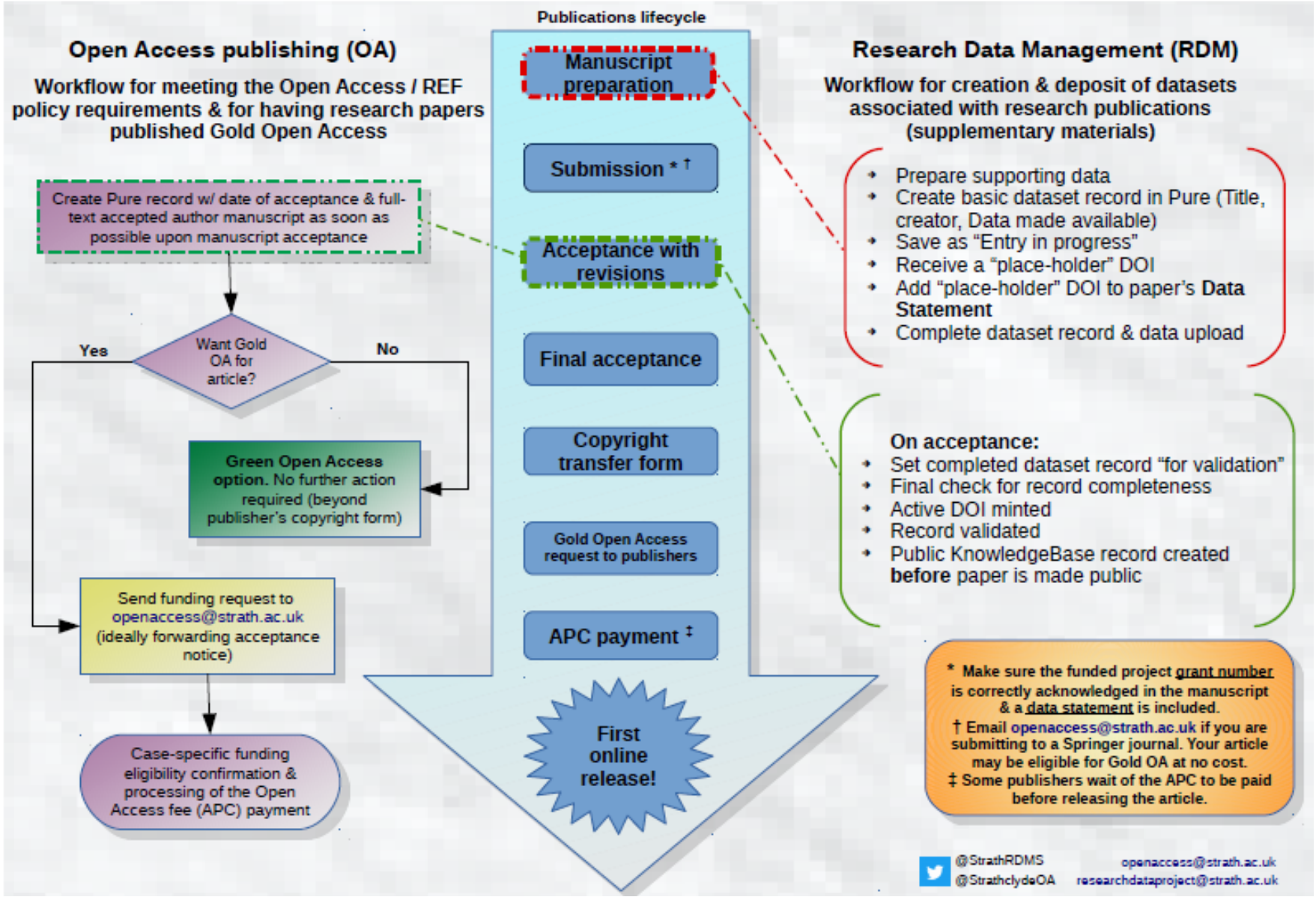
APC fee funding as a 'carrot' for dissemination purposes

Most Open Access policies are based on the application of a 'stick' closely linked to the concept of 'compliance'. As opposite to this, an initiative to fund Open Access publishing fees or APCs is based on a 'carrot' approach. It's the sole case where the research support team will typically not need to chase researchers to ensure 'compliance', but authors themselves who will reach out to the research support team in order to inquiry about the eligibility for funding under a specific initiative. This provides an invaluable opportunity for Open Access advocacy purposes, as authors will frequently want to know what the specific requirements are to meet specific eligibility purposes. Within this specific APC funding initiative the advice provided to authors has often extended beyond the *EC* Open Access policies and into related areas such as Research Data Management. This is something that can be replicated from institutional research support services that run their own APC funding initiatives.

https://doi.org/10.3145/epi.2019.jul.13

Integrated Open Access / Research Data Management workflow

Open Access funding requests provide a very good opportunity to discuss additional topics with researchers, from RDM and DMPs to commercialisation



An example: automated manuscript acceptance notification

Email - openaccess@strath.ac.uk - Outlook - Google Chrome

outlook.office.com/mail/deeplink?version=20201109002.04&popoutv2=1

Reply all | Delete | Junk | Block | ...

[Agriculture] Manuscript ID: agriculture-830914 - APC Invoice - Central Payment IOAP

You forwarded this message on Fri 05/06/2020 14:48

MB

MDPI Billing <billing@mdpi.com>
Fri 05/06/2020 13:37
To: openaccess@strath.ac.uk
Cc: Craig Michie; Nemanja Nisavic <nisavic@mdpi.com>; Billing Dpt <billing@mdpi.com>; Agriculture Editorial Office <agriculture@mdpi.com>; Dr. Lin <lin@mdpi.com>

Invoice_MDPI_agriculture-83...
37 KB

To whom it may concern,

The following paper has been accepted for publication in the journal Agriculture.
We will publish the following paper as soon as the proofreading and editing have been completed.

The invoice is related to the following manuscript:

Manuscript ID: agriculture-830914
Type of manuscript: Article
Title: Detecting Heat Stress in Dairy Cattle using Neck-Mounted Activity Collars
Authors: christopher Davison, Craig Michie *, Andrew Hamilton, Christos Tachtatzis, Ivan Andonovic, Michael Gilroy
Received: 26 May 2020

UK Open Access policies (U Strathclyde)

Research funder	OA flavour	Brief policy description
Higher Education Funding Council for England (HEFCE)	Green	In operation since 01/04/2016 (implemented since 2014 at Strathclyde). Mandatory deposit of full-text accepted author manuscript no longer than three months since manuscript acceptance. Linked to the UK Research Excellence Framework (REF2021)
Research Councils UK (UK Research and Innovation since 01/04/2018)	Green & Gold	Mandatory OA availability of funded outputs via either the Green or the Gold OA routes. Block grants delivered to research-intensive HEIs to fund Open Access fees for eligible publications (those that acknowledge RCUK-funded projects)
Charity Open Access Fund (COAF): coalition of UK charities led by the Wellcome Trust	Green & Gold	Mandatory OA availability of funded outputs via either the Green or the Gold OA routes. Block grants delivered to research-intensive HEIs to fund Open Access fees for eligible publications (those that acknowledge RCUK-funded projects). Green OA publications need to be deposited in EuropePMC
European Commission – FP7 programme	Green & Gold	Mandatory deposit of full-text accepted author manuscript for projects under Clause 39. Gold Open Access funding available for finished FP7 projects under the OpenAIRE FP7 Post-Grant OA Pilot
European Commission – H2020 programme	Green & Gold	Mandatory deposit of full-text accepted author manuscript for all H2020 projects (plus associated datasets). Gold Open Access funding may be claimed from project grant

Table 1.— Main Open Access policies by research funders at the University of Strathclyde

- Mandatory deposit of the Accepted Author Manuscript (AAM) or *post-print*
- Green and Gold OA routes suitable for compliance with OA policies
- Funding available from specific research funders to pay for Article Processing Charges
- Increasing number of Read & Publish agreements with publishers

agriculture

Open Access Article

Detecting Heat Stress in Dairy Cattle Using Neck-Mounted Activity Collars

by Christopher Davison [1], Craig Michie [1,*], Andrew Hamilton [1], Christos Tachtatzis [1], Ivan Andonovic [1] and Michael Gilroy [2]

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Agriculture **2020**, *10*(6), 210; https://doi.org/10.3390/agriculture10060210

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(This article belongs to the Special Issue Innovative Technologies for the Feeding of Dairy Cattle to Ensure Animal Welfare and Production Quality—INNOVALAT)

Abstract

Collar-based activity sensors are in common use as a means of detecting oestrus to optimise farm fertility and, hence, productivity. Recently, the same acceleration-derived signals have been processed to detect the time spent ruminating and eating, which, together, give an insight into animal welfare. Here, the use of neck-mounted accelerometers to provide a quantifiable measure of the time period that an individual animal exhibits signs of heat stress is reported. Heat stress has a significant impact on both animal welfare and productivity. Cattle studied during elevated temperatures were found to exhibit signs of exaggerated breathing motions, an indicator of heat stress, for 8 h on average per day, exceeding the time that cattle spend feeding and is similar to daily rumination times. No similar cases were recorded in the cooler conditions of a Scottish winter. The approach offers a cost-effective measure of heat

https://www.mdpi.com/2077-0472/10/6/210/htm

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4 Reasons to Choose Afimilk

01

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03

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04

Higher pregnancy rate

Afimilk cow monitoring tools provide timely and accurate heat detection for improving herd fertility and optimized lactation intervals.

https://www.afimilk.com/

University of Strathclyde Glasgow

Staff > Dr Craig Michie

Professor Craig Michie

Electronic and Electrical Engineering

Personal statement | Publications | Teaching | Research | Contact

Personal statement

I re-joined the University in 2006 after a period in industry and I am currently Reader in Electronics and Electrical Engineering and Course Advisor for EEE fourth and fifth year.

I received a BSc in Electronics and Electrical Engineering from the University of Glasgow in 1983 and after a year working for the BBC in Broadcasting House London I returned to do a PhD in Coherent Optical Communications. Following this I had my first spell at Strathclyde researching into optical sensor systems for structural monitoring. I became Senior Research fellow in 1991 and joined the Rolls Royce University Technology Centre in 1998.

I left the department during 2001-2004 when I worked as a Senior Engineer at Kamelian Limited, a start-up company in the telecommunication area making semiconductor optical amplifiers. Following this I went to Scottish Enterprise to take a post as a Senior Manager supporting the delivery of the Intermediate Technology Institute 'ITI Techmedia'.

In 2006 I came back to Strathclyde and continued to work on optical fibre communications technologies. At that time I also began also to develop a research expertise in wireless sensor technology for asset monitoring. Almost all of my research activity is now in this area with a particular emphasis on animal health monitoring. A few years ago we started a spin out company in this area. Now known as, SilentHerdsman Ltd., which makes neck mounted activity collars for cattle. The collars monitor cow movements and send alerts to enable farmers to inseminate the cattle at the optimum time, hence optimising milk yield.

https://www.strath.ac.uk/staff/michiecraigdr/

Afi History

← 2013

2017

Afimilk acquires Scottish company Silent Herdsman, a specialist in cow sensors technology

2018 →

1977 1979 1981 1984 1993 2000 2008 2013 2017 2018 2020

https://www.afimilk.com/about-us/

UK Research and Innovation

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Afimilk UK Limited

UNIT 9000 ACADEMY PARK , GOWER STREET, GLASGOW, G51 1PR (Scotland)

Go back

Search within Afimilk UK Limited... Search Reset

Start Date | End Date | Funded Value | Relevance | CSV | 25 | 50 | 100 | Apply Filter | Clear All | Help

£25,000
May 11 - Jul 11

Animal Health Diagnostic Services

Innovate UK award to Afimilk UK Limited and Unknown Unknown Unknown

£399,420
Apr 15 - Jun 18

Cow Health Monitor

Innovate UK award to Afimilk UK Limited and Michael Gilroy

£438,892
Apr 15 - Jun 18

PrecisionBeef

Innovate UK award to Afimilk UK Limited and Michael Gilroy

£667,823
Dec 11 - Jun 15

AnimaL Electronic Recording, Transmission and Synthesis (ALERTS))

Innovate UK award to Afimilk UK Limited and Ivan Andonovic

Refine by :

Project Status

- Active
- Closed (4)

Funded Amount

- Up to £100K (1)
- £100K to £1M (3)
- £1M to £10M
- Above £10M

Region

- East Midlands
- East of England

https://gtr.ukri.org/organisation/2D9F8B55-EB33-4F3A-BC5F-CE180C75A1CF

Cow Health Monitor

Lead Participant: Afimilk UK Limited

Go back

Overview | Organisations | People

Abstract

There are considerable animal health challenges in modern dairy farming, all with a profound impact on production output and efficiency. The early detection of metabolic diseases such ketosis, acidosis and lameness and intervention at the pre-clinical stage provides valuable information upon which the farmer can decide on the most appropriate interventions. Thus the project will integrate a number of new dairy livestock sensing systems in real-time, including animal-mounted and product in-line monitoring, to provide a robust decision support system for metabolic disease detection at pre-clinical stages. The solution will be capable of integration within existing technologies on commercial farms to enhance the value of the farmer's investment, and the information presented to the livestock-keepers will be in an easily accessible and digestible fashion delivered over multiple channels viz. smartphones, tablets or PCs.

Funded Value:
£399,420

Funded Period:
Apr 15 - Jun 18

Funder:
Innovate UK

Project Status:

Overview | Organisations | People

Lead Participant	Project Cost	Grant Offer
Afimilk UK Limited, GLASGOW	£328,954	£ 197,372

Participant		
ADC Gas Analysis Limited, Stevenage	£181,198	£ 108,719
Fullwood Limited, SHROPSHIRE	£186,659	£ 93,329
SRUC, United Kingdom	£154,407	

https://gtr.ukri.org/projects?ref=102083

University of Strathclyde Glasgow

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Research > Advanced Forming Research Centre > News > Spirit AeroSystems

Spirit AeroSystems and the AFRC join forces to boost UK aerospace sector

The University of Strathclyde's Advanced Forming Research Centre (AFRC) is teaming up with global aerospace components manufacturer, Spirit AeroSystems, to help shape the future of aircraft design and manufacture. Working together on developing innovative manufacturing technologies, the two organisations will seek to address the key challenges facing the industry to help the UK supply-chain achieve its full potential.

Getting researchers in contact with the appropriate services:

- Corporate Comms
- Institutional Research Office
- Other institutional Research Groups

https://www.strath.ac.uk/research/advancedformingresearchcentre/news/spiritaerosystems/