Why should we adopt an open culture?
Why are we discussing this?

We have been asked to talk to you by **Sean Adams, College of Arts REF Champion** as part of an initiative to improve open research culture across the College of Arts.

We hope to tell you a bit about the benefits of open research and give you essential information on how to comply with University, REF, and funder requirements.
Why are we discussing this?

Subjects are expected to have:

An action plan for open access

Targeted deadlines for ORCID registration

Clearly communicated timeframes for providing information about:

• accepted publications to the University repository (Enlighten)
• complying with REF open access requirements
Benefits of being open

+ Integrity
https://casrai.org/credit/

+ Environment
...not only for REF...
Using Wikis for collaborative writing in the ELT classroom


Text
172485.pdf - Published Version
Available under License Creative Commons Attribution.
423kB

Publisher's URL: https://jurnal.uns.ac.id/ijpte/article/view/22906
Marion Donaldson and the business of British fashion, 1966-1999


Datacite DOI: 10.5525/gla.researchdata.603

Collection description

Interview transcripts with Marion and David Donaldson and various former rag trade figures in Glasgow 1966-1999.

College / School: College of Arts > School of Humanities > History
Date Deposited: 01 May 2018 10:21
Retention date: 17 April 2028
Funder's Name: Economic and Social Research Council (ESRC)
URI: http://researchdata.gla.ac.uk/id/eprint/603

Available Files
Data
+ dataset_603.zip
Documentation
+ ORAL_RECORDING__ ELEASE_603.docx

Additional details
DR MICHAEL O'NEILL

- Research Associate (Theatre, Film & Television Studies)

telephone: 0141 330 2447
e-mail: Michael.ONEill@glasgow.ac.uk

+ Research interests
+ Grants
+ Teaching
+ Additional Information

- Publications

List by: Type | Date

Number of items: 6.

+ Book Sections
+ Book Reviews
+ Website
PERFORMANCE DEVELOPMENT REVIEW

Performance Development Review provides the opportunity for all staff and their line manager to reflect upon performance and development in the last year and agree objectives and development plans for the forthcoming year.

Please see below links to useful information including the policy and process, training dates and guidance for completing forms.

Please note, if you expect to see your previous year’s PDR objectives autopopulated in your PDR form and they are not appearing, please contact the Systems Team on hr-system@glasgow.ac.uk.
Our policies

Code of Good Practice in Research
https://www.gla.ac.uk/media/media_490311_en.pdf

Postgraduate Research Code of Practice
http://www.gla.ac.uk/services/postgraduateresearch/pgrcodeofpractice/

Good Management of Research Data Policy
https://www.gla.ac.uk/media/media_555892_en.pdf
Articles and Conference Proceedings
Open Access

Unrestricted access (and re-use) of research outputs esp publicly funded journal articles and conference papers

**Gold (paid for)**
- Article is immediately freely available
- Payment of a fee or ‘Article Processing Charge’ (APC)

**Green (‘free’)**
- Deposit (usually accepted final version) in online repository
- Usually an embargo period to making this visible

University direction - go **Green (‘free’)** wherever possible
REF policy on Open Access

• Articles and conference proceedings* accepted for publication from 1st April 2016
• Limited exceptions
• Credit in ‘environmental component’ for making other outputs open access

*not posters or abstract only items
For REF

Output must be a new insight into research

Possible that a commentary, editorial, or review is a new insight into research

Non-Peer reviewed articles and conference proceedings must meet the Open Access requirements
The output must have been deposited in a repository as soon after the point of acceptance as possible, and no later than three months after this date.

- Author Accepted manuscript – final agreed text before publisher adds logos and mark-up
- We must evidence it is in our repository
- It may be a closed deposit

*final acceptance - all changes made and ready to typeset – not the date that the publisher says they will publish subject to amendments
REF Eligibility – The Library can help

AND

Made open-access.

REF accepts embargo periods:
- 12 months for Science, Technology and Medicine
- 24 months for Arts and Social Sciences

MYTH SPOILER - It is not necessary to pay an open access charge to comply with REF open access requirements.
Example Exceptions

Clause in Guidance on Submissions:

252b – There was a delay in securing the final peer-reviewed text

253a – The output depends on the reproduction of third party content for which open access rights could not be granted

255a – Other exception e.g. sole author, long term sick leave
Example Exceptions

Clause in Draft Guidance on Submissions:

253b – The publication concerned requires an **embargo period** that exceeds the stated maxima, and was the **most appropriate publication** for the output.

253c – The publication concerned actively **disallows open-access** deposit in a repository, and was the **most appropriate publication** for the output.
Clause in Draft Guidance on Submissions:

252c – The staff member to whom the output is attributed was **not employed on a Category A contract by a UK HEI** at the time of **submission** for publication.

254a - At the point of **acceptance**. The staff member to whom the output is attributed was **employed at a different UK HEI**, and it has not been possible to determine compliance with the criteria.
Exceptions


(see page 58-59, clauses 252-255)
Be aware of these things pre-submission
Reminder: REF Open Access Eligibility Rules

REF-submitted outputs must be OA compliant

• Aim for 100% compliance

• In each Unit of Assessment submission, a maximum of 5% of in-scope outputs (journal articles and conference proceedings available after 1 April 2016) that do not meet OA requirements can be submitted to REF2021.

• It is possible that after submission an item may be deemed not to meet the OA criteria

• Any non-OA compliant outputs submitted over the 5% tolerance will be marked as unclassified.

• **Use of predefined exceptions must be robust**
‘Some’ Funders have open access requirements

Similarities and Differences to REF
Be aware of these things pre-submission
UKRI (formerly RCUK) Funds for Open Access

- Peer-reviewed research articles, non-commissioned reviews, systematic reviews, Cochrane Reviews
- Conference proceedings
- Page charges, supplements
- Past or current grants or studentships
- Finite funds
- Generous Embargoes at present
- Include NC3Rs
- CC-BY licence
- MRC/BBSRC – PubMed Central
Charity Open Access Fund

- Peer-reviewed articles, non-commissioned review articles, study protocols
- Past or current grants or studentships
- NOT commissioned reviews, conference proceedings, editorials, letters or commentaries
- NOT Page charges, supplements
- CC-BY licence
- PubMed Central
- Finite funds
Wellcome Open Research

A new publishing platform for Wellcome-funded researchers to publish any results they think are worth sharing

- **Fast** — articles published within a week
- **Inclusive** — can publish all your research outputs
- **Open** — fulfils Wellcome OA and data sharing requirements
- **Reproducible** — data published alongside article
- **Transparent** — open, author-driven, peer review
- **Easy** — costs are met directly by Wellcome

wellcomeopenresearch.org
Revised Probing *Plasmodium falciparum* sexual commitment at the single-cell level [version 3; referees: 1 approved, 1 approved with reservations]

Nicolas M.B. Brancucci,*, Mariana De Niz*, Timothy J. Straub, Deepali Ravel, Lauriane Sollelis, Bruce W. Birren, Till S. Voss, Daniel E. Neafsey, Matthias Marti

* Equal contributors

**Abstract**

**Background:** Malaria parasites go through major transitions during their complex life cycle, yet the underlying differentiation pathways remain obscure. Here we apply single cell transcriptomics to unravel the program inducing sexual differentiation in *Plasmodium falciparum*. Parasites have to make this essential life-cycle decision in preparation for human-to-mosquito transmission.

**Methods:** By combining transcriptional profiling with quantitative imaging and genetics, we defined a transcriptional signature in sexually committed cells.

**Results:** We found this transcriptional signature to be distinct from general changes in parasite metabolism that can be observed in response to commitment-inducing conditions.

**Conclusions:** This proof-of-concept study provides a template to capture transcriptional diversity in parasite populations containing complex mixtures of different life-cycle stages and developmental programs, with important implications for our understanding of parasite biology and the ongoing malaria elimination campaign.

**Keywords**
Other Funders

CHIEF SCIENTIST OFFICE

DIABETES UK
KNOW DIABETES. FIGHT DIABETES.

“Older Grants”

EU Pilot ended February 2018

http://www.gla.ac.uk/services/openaccess/howdoimakemypublicationsopenaccess/publisherarrangements/
Publisher Deals and Discounts

[Logos of various publishers and open access platforms]

http://www.gla.ac.uk/services/openaccess/howdoimakemypublicationsopenaccess/publisherarrangements/
Funder acknowledgement and licensing

All papers should include acknowledgement of the funding that supported the research

Recommended format:

‘This work was supported by the xx Research Council [grant number xxx]’
What do researchers need to do?

When a paper is accepted, make sure it is added to Enlighten:

- Notify research-openaccess@glasgow.ac.uk
- Include the final accepted manuscript
- Include award numbers on papers
- Don’t agree to pay if don’t have ££
- Use University email address and affiliation
ORCID: Getting Started

- Click on **SIGN IN** from the menu bar
- Choose **Institutional Account** and Glasgow to get the link to the University’s GUID login page
- Login with your GUID
- Link to existing ORCID account or register for an account [https://www.gla.ac.uk/orcid/](https://www.gla.ac.uk/orcid/)

[https://orcid.org/](https://orcid.org/)
What does the Library do?

- Check funder requirements
- Check the publisher copyright policy
- Act as researcher’s memory
- Pay from UKRI or Charities Open Access funds if appropriate
- Deposit manuscript and release after embargo
- Compliance reporting and checking
Open Access & Research Data Management

• Papers to include statement on how underlying research materials (data, samples, models) can be accessed

• Not all data can be ‘open’ for ethical, legal or security reasons

• Sharing doesn’t only mean Open Access!
Research data is any information (digital or physical) required to underpin research.
Data availability declines with article age
Benefits of good RDM

Benefits to the community:
• Scientific integrity and reproducibility
• Facilitates sharing and reuse of data
• Strengthens the research environment
• Better use of research funding

Benefits to you:
• Reduces risk of data loss
• Ensures compliance with funder and University requirements
• Creates the possibility of new collaborations
• **Makes it easier to produce papers and manage your research group!**
Publicly funded research data are a public good, produced in the public interest, which should be made openly available with as few restrictions as possible in a timely and responsible manner that does not harm intellectual property.

https://www.ukri.org/funding-information-for-award-holders/data-policy/

Some funders require compliance and have issued more specific policies.
Our policies

Code of Good Practice in Research
https://www.gla.ac.uk/media/media_490311_en.pdf

Postgraduate Research Code of Practice
http://www.gla.ac.uk/services/postgraduateresearch/pgrcodeofpractice/

Good Management of Research Data Policy
https://www.gla.ac.uk/media/media_555892_en.pdf
What is data management?

Have you...
- fully understood your research funders’ data management requirements?
  - Government and funders require that publicly funded research is made available for reuse – are you up to date with their latest policies? Your future funding might depend on it!
- written a data management plan?
  - Your funder may already require this, but build it in from the proposal stage to avoid headaches in the future.
- gained ethics approval/consent?
  - Writing a data management plan will aid planning and help you navigate ethics and governance requirements.
- protected your intellectual property?
  - Leaving intellectual property considerations for a rainy day could lose you appropriate credit, damaging career prospects and perhaps your financial future health!

Are your research files and data...
- clearly described, in terms of content (using standard metadata)?
  - Ask yourself honestly: is there a danger of data being lost?
  - Will you be able to remember how you generated your data, and will you or anyone else be able to find it in the future when you wish to reuse and share?
- clearly labelled with versions and dates?
  - How will you remember which was the definitive version and which dataset was used in producing a given research outcome?
- logically structured and named?
  - Once you’ve remembered how you generated data, can you still find the relevant files?
- future-proofed against broken links, using persistent identifiers?
  - The persistent identification of digital resources can play a vital role in enabling their accessibility and re-usability over time using recommended data standards.

Do you know...
- how to restrict access to your research data to the right people?
  - Have you consulted with university or data centre experts so that only the right people have access to your research?
- which data to keep and which data to discard?
  - Managing research data effectively means being selective: which data to discard and when as well as what to keep and for how long?
- how securely your data is stored?
  - What happens if your storage media fail? How resilient is it? Could it get left on the train and could somebody else misuse it?
- how your data is backed-up?
  - Have you made use of university and/or external resources to back up data so that you have multiple copies in case of loss or theft?

Do you know how to...
- find existing information resources related to your research?
  - Where can you find research data that you can repurpose or combine with your own to produce new research?
- share data with your collaborators securely and effectively?
  - Whether building a collaborative proposal, generating results for others to comment on or sharing the final outputs of your research – how will you link with your colleagues ahead of wider sharing?
- deposit your research data and outputs in an open repository?
  - Is there an appropriate disciplinary or institutional repository and what do you need to do to deposit your research output? Plan ahead to avoid refactoring...
- publish your research, and get it cited as well?
  - Institutions and data centres must make research data reusable to others while providing credit to the researchers who did the work. Your future career could depend on it!

http://www2.le.ac.uk/services/research-data
DATA MANAGEMENT PLANS (DMPs)

Data management plans are now a common feature of grant applications. Funders are placing more emphasis on DMPs and we’ve recently seen some applications returned for revision due to weak plans.

What is included in a DMP?

A description of the data to be collected or created

The standards and methodologies for data collection and management

Any Ethics and Intellectual Property concerns or restrictions

Your plans for data sharing and access*

A strategy for long-term preservation

*Sharing ≠ open access
Example Data Management Plans

University of Glasgow: https://www.gla.ac.uk/myglasgow/datamanagement/creatingyourdata/dataplanning/

DCC: http://www.dcc.ac.uk/resources/data-management-plans/guidance-examples
Documenting your data

What information might YOU need to make sense of this data in 5 years’ time?

- Details of sample preparation
- Where were samples collected?
- Experimental protocol followed
- Machine settings
- Inclusion criteria
- What do the field-names mean?
- Details of software needed
- List of abbreviations used

The possibilities are endless and specific to your research!

- Are your files clearly described?
- Are your data clearly labelled with versions and dates?
- Are your data logically structured and named?
- Are you using standard metadata and naming conventions?
1. Where has data come from?
2. How has data been processed?
3. What software is needed to open?
4. What is the file-naming convention?
5. Anything else useful? eg sample prep

Readme file

1. What is data?
2. How was data acquired?
3. What software is needed to open?
4. What is the file-naming convention?
5. Anything else useful? eg sample prep

Processed data
Version 1

Processed data
Version 2

Processed data Subset for figure
Restricting access to your data

- Password-protect files if necessary
- Use authenticated storage spaces
  - J:\ Drive
  - OwnCloud
  - OneDrive
- Encrypt your files if necessary
- Commercial cloud storage is not recommended (Dropbox, iCloud, Google Drive...)

What does your ethics approval require?

More information on securing your computers, mobile devices and portable media:
[https://www.gla.ac.uk/myglasgow/it/informationsecurity/confidentialdata/](https://www.gla.ac.uk/myglasgow/it/informationsecurity/confidentialdata/)
SHARING YOUR DATA

Enlighten: Research Data
Research data produced at the University of Glasgow including datasets from a variety of disciplines many of which are associated with research publications

UK Data Service

GitHub

figshare

zenodo

Celebrating 50 Years of the Cambridge Structural Database
Controlling Interpenetration through Linker Conformation in the Modulated Synthesis of Sc Metal-Organic Frameworks


Datcite DOI: 10.5525/gla.researchdata.561

Enlighten Publications URI: http://eprints.gla.ac.uk/id/eprint/153607

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Available Files

- [opendata.zip]
- [readme.txt]

Additional details
Single-Crystal to Single-Crystal Mechanical Contraction of Metal-Organic Frameworks through Stereoselective Postsynthetic Bromination

Ross J. Marshall, Sarah L. Griffin, Claire Wilson, and Ross S. Forgan
WestChem School of Chemistry, University of Glasgow, University Avenue, Glasgow G12 8QQ, U.K.

DOI: 10.1021/jacs.5b05434
Publication Date (Web): July 15, 2015
Copyright © 2015 American Chemical Society

*ross.forgan@glasgow.ac.uk

Abstract

Acknowledgment

R.S.F. thanks the Royal Society for receipt of a University Research Fellowship and the University of Glasgow for funding. The research was supported by EPSRC (EP/L004461/1). The data which underpin this work are available at http://dx.doi.org/10.5525/gla.researchdata.200. The data are licensed CC BY-SA 4.0. We thank the EPSRC UK National Crystallographic Service for single crystal data collection. CCDC 1062508–1062511, 1400383–1400384, and 1400977 contain the supplementary crystallographic data for this paper. These data can be obtained free of charge from The Cambridge Crystallographic Data Centre via www.ccdc.cam.ac.uk/data_request/cif.

References

This article references 23 other publications.
Help from the Research Information Management Team

• Grant application advice and support
  – Review service for data management plans
  – Advice on costing RDM activities into awards

• Enlighten: Research Data
  – Data registry and repository
  – Safe data storage and sharing platform

• Advice and Training

research-datamanagement@glasgow.ac.uk
Further training options for staff and students

For Staff – book on CoreHR
RDCR  Managing your research data
RIDMP  Understanding Data Management Plans

For PGR Students – book on MyCampus
RSDC 6024  Research Data Management for CoSS
RSDC 6033  How to organise, store and share your research findings for Arts and Humanities
RSDC 6025  Research Data Management for MVLS and CoSE
RSDC 6030  How to write you Data Management Plan

Bespoke Training
We can provide tailored training on any aspect of Research Data Management, for any staff or student group.

https://www.gla.ac.uk/myglagows/datamanagement/training/
Useful links

Email Addresses
research-openaccess@glasgow.ac.uk
research-datamanagement@glasgow.ac.uk
research-outcomes@glasgow.ac.uk

Open Access
https://www.gla.ac.uk/myglasgow/openaccess/

Creative Commons Licences
http://creativecommons.org/licenses/

Create A Data Management Plan
https://dmponline.dcc.ac.uk/

REF
https://www.gla.ac.uk/myglasgow/research/ref/

UKRI Open Access Policy
https://www.ukri.org/funding/information-for-award-holders/open-access/

Charity Open Access Fund
https://wellcome.ac.uk/funding/managing-grant/charity-open-access-fund
Thank you

research-openaccess@glasgow.ac.uk
research-datamanagement@glasgow.ac.uk