

Author Academy- Your guide to publication success

Melanie de Souza
Senior Editor
Edanz Group
16 October 2013



11658

J. Phys. Chem. B **2002**, *106*, 11658–11665

Large and Fast Relaxations inside a Protein: Calculation and Measurement of Reorganization Energies in Alcohol Dehydrogenase

Ross C. Walker,¹ Melanie M. de Souza,² Ian P. Mercer,² Ian R. Gould,¹ and David R. Klug^{2,3}

Biophysics and Biological Chemistry Group and Molecular Dynamics Group, Department of Chemistry, Imperial College of Science, Technology and Medicine, London, U.K.



Polymer International

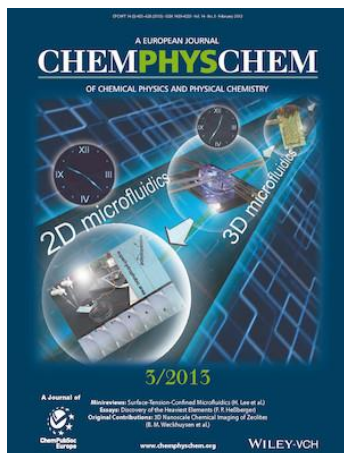
Polym Int 55:784–792 (2006)

The equilibration of intrachain and interchain excitations in aggregates of a cyano-substituted phenylene vinylene polymer

Paul F Miller,¹ Melanie M de Souza,¹ Stephen C Moratti,² Andrew B Holmes,¹ Ifor DW Samuel³ and Garry Rumbles^{1,4}



Imperial College
London



 edanz
Senior Editor



Today's presentation

- Target Journal
- Write a manuscript
- Cover letter
- Publication Ethics
- Peer review/response letter

Where would you be...?



Scientific publishing

Native language vs English language

Implement ideas locally

Write and communicate in your *own* language

National collaborations

Regulatory authorities

International reputation

Publish manuscripts in *English* to exchange ideas globally

International collaborations

Grant applications

Career advancements

Adopt a winning strategy

Footballer



Physical fitness

Team members

Rules of the game

Opposition

Win games



Scientist

Results

Manuscript

Submission process

Published literature

Publication record

Preparation

Communication

Understanding

Knowledge

Tactics

Preparation

Good data



Results

- Importance?
- Significance?
- Implications?
- Who will benefit?

Impact

**Type of
article**

**Target
audience**

Give group presentations



Presenter

New ideas

Create discussion

1. Outline

- Short title
- What you did

2. Figure

- Trends
- Unexpected results

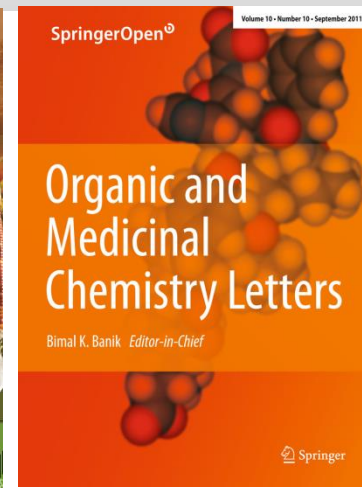
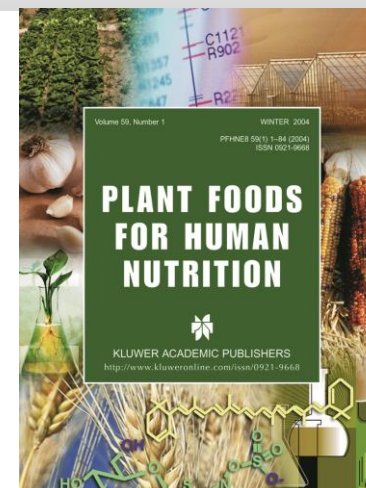
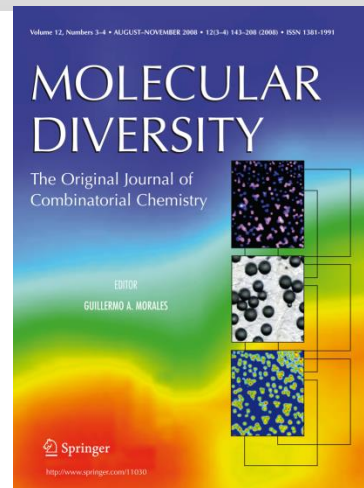
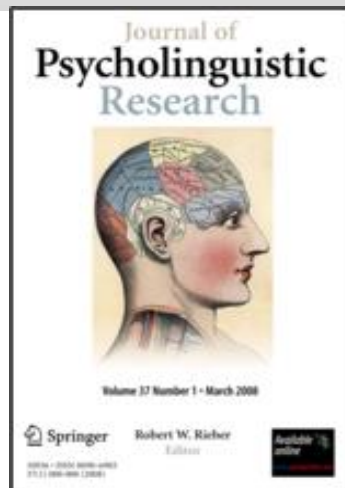
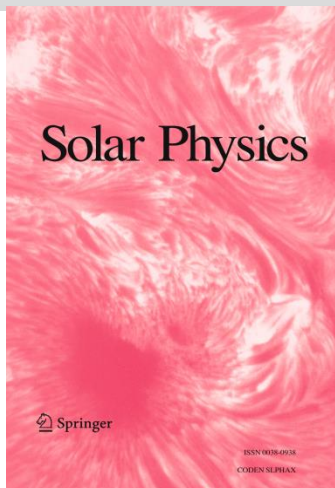
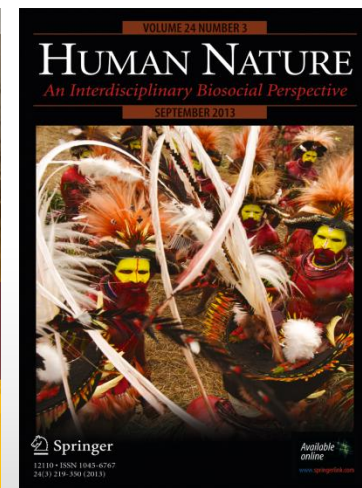
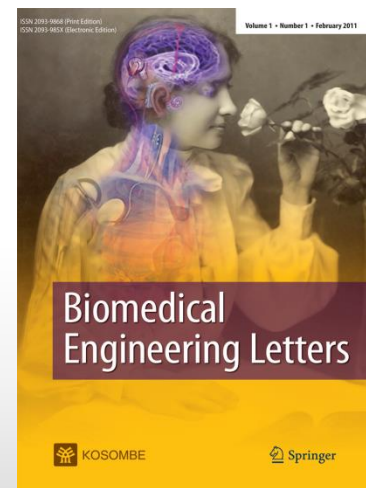
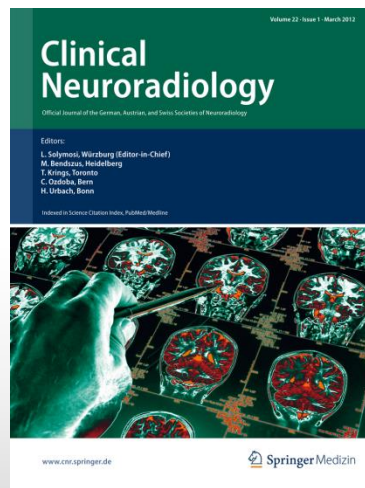
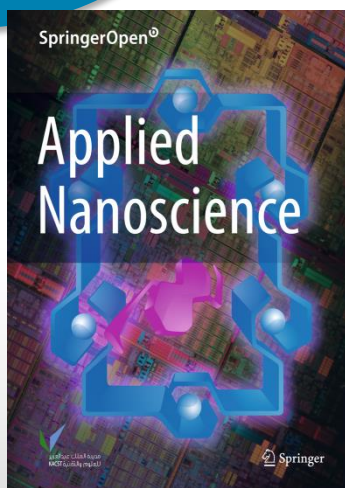
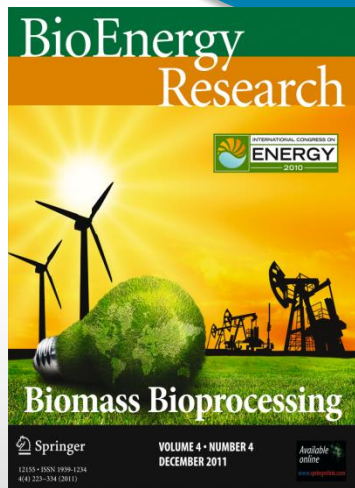
3. Discussion

- Next experiments
- Literature examples
- New models

Clear scientific message for readers

Before you start ...

Journal selection



Before you start ...

Target journal

Research councils

Indexing status

Impact factor

Open access

Funds (2,000-3000 USD)

Publish quickly

Brief communication/case reports

Society membership

Society journal (free open access)

Publishing language

Local vs international audience

Scientific message

Multidisciplinary vs specific

Popular appeal

General



Your target journal in minutes not days



Find the right journal for your manuscript

Springer Journal Selector ^{beta}
Choose the Springer journal that's right for you! [FAQ](#)

NF-κB transcription factor has been associated with cancer development and chemoresistance. We studied the signaling pathway activated by doxorubicin (DOX) leading to NF-κB activation in breast cancer cells. NF-κB activity was evaluated by electrophoretic mobility shift in T47D, ZR75.30 and primary culture (MBCDF) from a ductal infiltrating carcinoma. Cell viability was measured by

Match only to journals with:
 an Impact Factor
 Open Access options

[Find Matching Journals](#)

a free tool from edanz - provider of english editing for scientists

Abstract



Click



Hints and tips

Journal selector

Springer Journal Selector ^{beta}

Choose the Springer journal that's right for you!

Recommended journals

Journals	Recommended: 7
Molecular Cancer	5.13 Full OA
Cancer Cell Int.	2.09 Full OA
BMC Cancer	3.33 Full OA
Tumor Biology	2.51 Hybrid
J. Experimental & Clinical Cancer Research	3.06 Full OA
Cancer Chemotherapy and Pharmacology	2.79 Hybrid

Refined list

Your matched text (abstract or description):

You can update this text at any time, then use the Refine List button to refresh results: "NF-transcription cancer development chemoresistance. doxorubicin (DOX) NF- breast cancer cells. NF- activity electrophoretic T47D, ZR75.30 primary culture (MBCDF) ductal infiltrating carcin..."

Advanced Matching:

Impact Factor 0 0.5 1 1.5 2 3 5 7 10+

Frequency Any

Publishing model Open Access Hybrid Any Publishing Model

Advanced Matching

← Home

Refresh Refine List

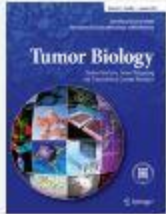
Click

Journals	Recommended: 3	Match	Impact Factor	Publishing Model
Cancer Cell Int.	2.09 Full OA		2.09	Full OA
Tumor Biology	2.51 Hybrid		2.51	Hybrid
Cancer Chemotherapy and Pharmacology	2.79 Hybrid		2.79	Hybrid
J. Biomedical Science	2.45 Full OA		2.45	Full OA

Click

Journal selector

Match Analysis



Semantic matching terms

Tumor Biology

<http://www.springer.com>

Click

Impact Factor : 2.518 (© Thomson Reuters)

Frequency : N/A

Aims & Scope :

'Tumor Biology' is the Official Journal of the International Society of Oncology and BioMarkers (ISOBM), an international journal publishing original research, mini-reviews and research commentaries on experimental and clinical cancer research. The Journal places special emphasis on articles covering all aspects of tumor markers and tumor targeting, but studies in other areas of

Similar articles from this journal

+ Suppression of human hepatoma (HepG2) cell growth by nuclear factor...	2010 - 10
+ Culture of human breast cancer cell line (MDA-MB-231)	2010 - 12
+ The role of NF- κ B and PPAR γ in experimentally induced	2010 - 10
+ Alkaloids extracted from induce apoptosis in malignant breast cell line	2010 - 10
+ ADAM10 overexpression confers resistance to doxorubicin-induced ap...	2012 - 05

Similar published articles

SUBDISCIPLINES | JOURNALS | BOOKS | SERIES | TEXTBOOKS | REFERENCE WORKS



Tumor Biology

Tumor Markers, Tumor Targeting and Translational Cancer Research

Editor-in-Chief: Torgny Stigbrand

ISSN: 1010-4283 (print version)

Journal no. 13277

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FOR AUTHORS AND EDITORS

2012 Impact Factor **2.518**

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Read regularly

Published Literature

Journals

- Aims and Scope
- Topics
- Layout
- Structure

Improve your writing

- Styles
- Phrases
- Data
- Scientific flow
- Argument structure

Established researchers

- Field develops
- Implications of research
- Applications
- Choose reviewers

Knowledge

Journal club

8-12 people

Discuss literature

- Different groups, same department
- 1 manuscript per week
- Rotate who selects paper
- Distribute paper 3 days in advance

Methods/
design
appropriate?

Topic
scientifically
relevant?

Scrutinize
manuscript

Conclusions
logical?

Good layout/
structure?

Peer Reviewer

Any questions?

Manuscript structure

- **Abstract**
 - **I**ntroduction The beginning
 - **M**ethods
 - **R**esults
 - **and**
 - **D**iscussion The end
- } The middle

IMRaD

The 'write' order

**Methods
Results**

During your research

**Introduction
Discussion**

After selecting target journal

**Title
Abstract**

Write last

Writing your manuscript

Methods

- List all methods
- Details of unusual/new methods
- Researchers can repeat experiments

Write for
your readers

Results

- Coherent and logical
- Cannot be deduced from literature
- Based on Figures/Tables
- Do not overcrowd
- Use Supporting Info
- Unbiased analysis

Convey scientific
message

Writing your manuscript

Choose target journal

Conclusions

- Short and concise
- Implications/benefits
- Future work

Write for your readers

Discussion

- Explain trends vs. literature
- Propose models/theories
- Relate to the original hypothesis
- Coherent interpretation
- Relevance

Convince readers of results

Writing your manuscript

Introduction

- Scientifically relevant
- Advance field
- Aims of study

Clear research
motive

Abstract

- Check journal instructions
- Word limits
- Structured vs. Unstructured
- Headings

Free to read
on journal
websites

Structuring your manuscript

Abstract: First impressions are important!



**Don't
include...**

References

Non-essential
numbers & statistics

Jargon/slang

Acronyms/
abbreviations

Abstract structure

- **Background**: why the study was done (20%)
- **Aims**: concise statement (10%)
- **Methods**: describe patients, techniques and materials used (10%)
- **Results**: most important findings (40%)
- **Conclusions**: main conclusion (10%)
- **Implications**: who will/what are the benefits (10%)

Writing your manuscript

Title

- Short and informative
- Concise

Write for
your readers

Update references

- 75% from the last 5 years
- Avoid self-citations
- International citations

Topical field

Writing your manuscript

Format manuscript

- Journal template
- Word limits
- Section headings
- English grammar is correct

Meet journal requirements

Revise manuscript

- Input from colleague
- Edit to reduce by 15%
- Clear figures/tables
- Readability and flow

Tell an interesting story

Clear scientific message

Last paragraph in Introduction

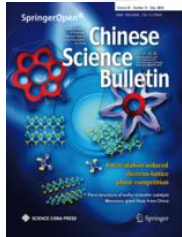
Our aim was accordingly to further characterise subjects with early disturbances in the glucose metabolism being at risk for development of type 2 diabetes. To avoid bias due to secondary effects we identified individuals not yet aware of their condition to explore the association of self-reported lack of sleep and low vitality in relation to IGT in a representative Swedish population.

Methods

Concise Conclusions

Conclusions

There is a link between self-reported lack of sleep, low vitality and IGT. Short sleep duration is a risk factor for developing type 2 diabetes [37] and voluntary sleep restriction may contribute to the global epidemic burden of type 2 diabetes [10]. More research is needed to determine how quality of sleep and low vitality interact in persons who are susceptible to developing IGT, thus facilitating improved strategies for prevention.



Isolation and characterization of H7N9 viruses from live poultry markets — Implication of the source of current H7N9 infection in humans

JianZhong Shi, GuoHua Deng, PeiHong Liu, JinPing Zhou, LiZheng Guan, WenHui Li, XuYong Li

Abstract

On March 31, 2013, the National Health and Family Planning Commission announced that human infections with a previously undescribed influenza A (H7N9) virus had occurred in Shanghai and Anhui Province, China. To investigate the possible origins of the H7N9 viruses causing these human infections, we collected 970 samples, including drinking water, soil, and cloacal and tracheal swabs of poultry from live poultry markets and poultry farms in Shanghai and Anhui Province. Twenty samples were positive for the H7N9 influenza virus. Notably, all 20 viruses were isolated from samples collected from live poultry markets in Shanghai. Phylogenetic analyses showed that the six internal genes of these novel human H7N9 viruses were derived from avian H9N2 viruses, but the ancestor of their HA and NA genes is uncertain. When we examined the phylogenetic relationship between the H7N9 isolates from live poultry markets and the viruses that caused the human infections, we found that they shared high homology across all eight gene segments. We thus identified the direct avian origin of the H7N9 influenza viruses that caused the human infections. Importantly, we observed that the H7N9 viruses isolated from humans had acquired critical mutations that made them more "human-like". It is therefore imperative to take strong measures to control the spread of H7N9 viruses in birds and humans to prevent further threats to human health.

Scientists



H7N9 Carries Genes from Rare H9N2, H7N3, H4N9, H11N9 Bird Flu Viruses

Apr 29, 2013 by Sci-News.com

« PREVIOUS | NEXT »

Published in
Genetics

Tagged as
bird flu
influenza

A team of microbiologists led by Prof Chen Hualan of the Harbin Veterinary Research Institute investigated the origins of a **new influenza A (H7N9) virus** by testing samples collected from live poultry markets and poultry farms located in Shanghai and Anhui Province, China.

The H7N9 influenza virus was isolated from humans in China in March, 2013. A total of 109 laboratory-confirmed cases of human infection with the virus have been reported as of April 25, 2013.

According to recent studies of H7N9 collected from live poultry markets, these viruses are reassortants in which the six internal genes were derived from **avian H9N2 viruses**. However, the origins of their hemagglutinin (HA) and neuraminidase (NA) genes have been unclear.

The team collected 970 samples (drinking water, feces, contaminated soil, and cloacal and tracheal swabs) from live poultry markets and poultry farms

Public

Manuscript

**Good English/
readable**

**Tell an
interesting story**

**Clear scientific
message**

**Figures, schemes,
tables**

Visual guides

Logical flow

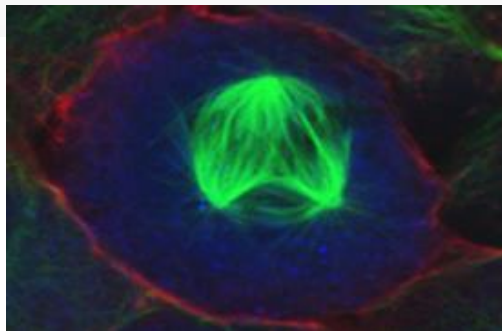
**Updated
references**

**Meet reader
expectations**

**Highlight
applications/
benefits**

Any questions?

Introducing Dr. Long



Dr. Long



Gene Regulatory Networks in Living Cells

Abstract

Gene regulatory networks control animal behaviour. The expression of complex behaviour is regulated by the brain. We investigate the transcriptomic response to territorial intrusion in four brain regions in breeding female brook sticklebacks using expression microarrays and quantitative polymerase chain reaction. The species occurs across the United States and

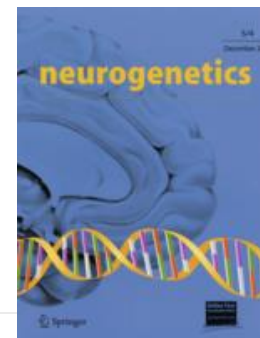
ARTICLES

DOI: 10.1002/PNAS2013100768

Gene Regulatory Networks in Living Cells

H. Long, P. Wang, Y. Zhang^{*[a]}

Centre of Genomic and Proteomic Research, Peking University, Haidian district, Beijing, China



Write a cover letter!

Dear Editor-in-Chief,

I am sending you our manuscript entitled “Gene regulatory networks in living cells” by Long et al. We would like to have the manuscript considered for publication in Neurogenetics.

Please let me know of your decision at your earliest convenience.

Sincerely yours,
Dr. Long, PhD

Guides the Editor

Sells your research

Hints and tips

An effective cover letter

U. Müller
Editor
Neurogenetics

Address editor personally

13 December 2012

Dear Dr. Müller,

Manuscript title/type of article

Please find enclosed our manuscript entitled “Gene regulatory networks in living cells”, by Long et al., which we would like to submit for publication as a Research Paper in *Neurogenetics*.

Recent studies have revealed that there are distinct genomic responses to territorial challenges. Genes are either upregulated or downregulated in certain areas of the brain. Cis-regulatory network analysis suggests.....

Background

To confirm this, we performed expression microarrays and quantitative polymerase chain reactions on four brain regions in five brook sticklebacks. Expression microarrays revealed....

Done/Found

We believe our findings would appeal to a broad audience, such as the readership of *Neurogenetics*. As a wide-reaching journal publishing original research on all aspects of neuroscience...

Interest to readers

We suggest the following potential reviewers:

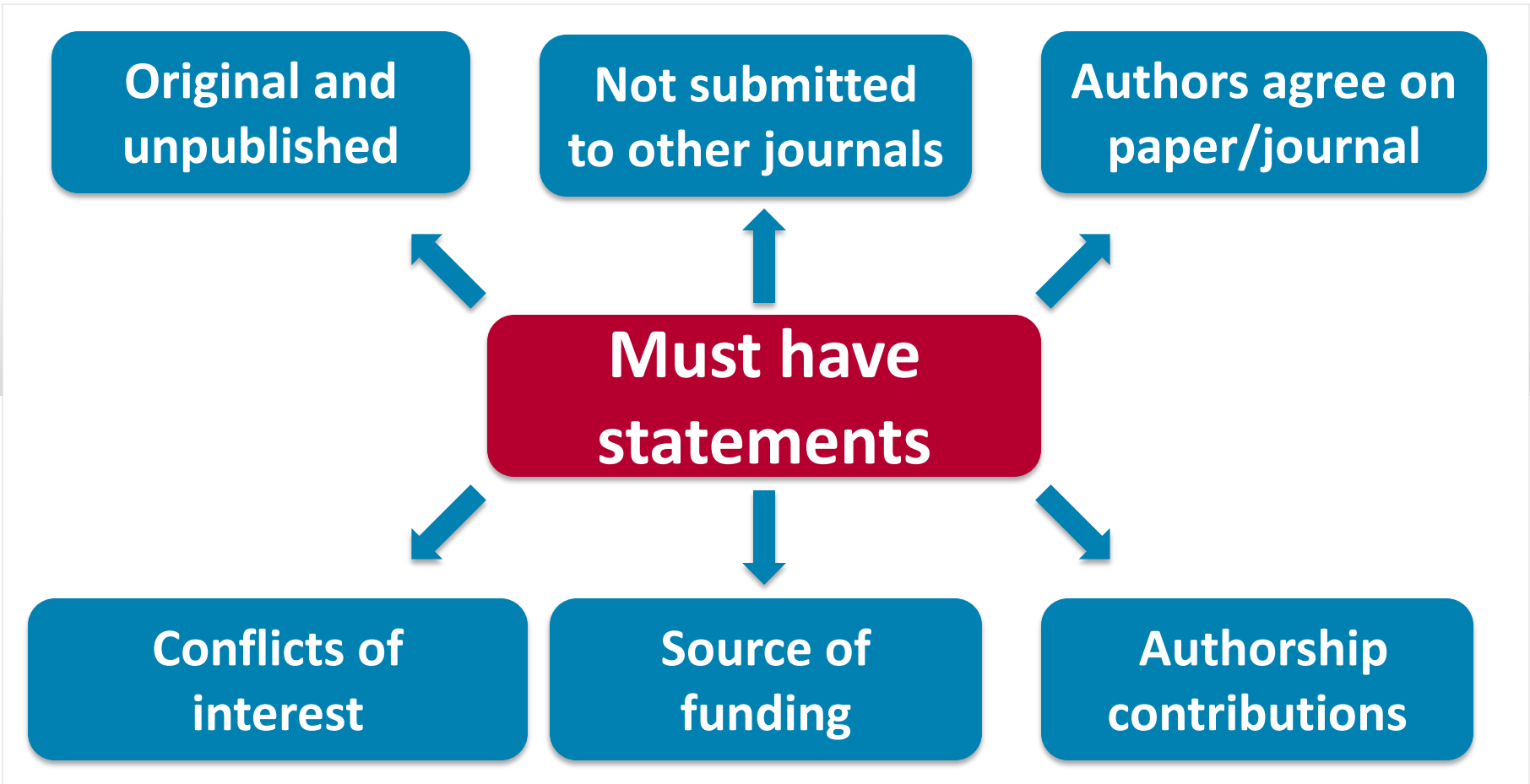
List reviewers

Conflict of interest forms are attached.....

Please address all correspondence to....

Compliance statements

General rules



Publication ethics

Avoid scientific misconduct

- Publisher
- Journal Editors
- Reviewers
- **Authors**

All have responsibilities

Guidelines

- **CONSORT** (Consolidated Standards of Reporting Trials)
- **PRISMA** (Preferred Reporting Items for Systematic Reviews and Meta-Analyses)
- **MOOSE** (Meta-Analysis and Observational Studies in Epidemiology)
- **STARD** (Standards for the Reporting of Diagnostic Accuracy Studies)
- **STROBE** (Strengthening the Reporting of Observational Studies in Epidemiology)
 - Must obtain Institutional Review Boards statement of approval for research involving human beings or animal subjects.

Author responsibilities

- **Corresponding (submitting) author:**
 - Communicates with journal editors and coauthors
 - Authors agree to contents/specify contribution of every author
 - Changes in author list/order or deletion/addition of authors
 - Submit COI form/sources of funding
 - Responsible for obtaining copyright permissions
 - Submit transfer of copyright form
- **Senior researchers:**
 - Original data preserved and is available for re-analysis
 - Approves data presentation/original

Publication ethics: Authorship



Graduate students: Mr. Wang and Mr. Zhang

Lab assistant: Ms. Yu helped prepare samples

Biostatistician: Ms. Yuan performed the statistical analysis

Colleague: Dr. Qi (Shanghai University) read and edited manuscript

Author list

P. Wang*, Y. Zhang*, H. Long
*Authors who contributed
equally to the work

No gift authorship

Acknowledgements

We would like to thank Ms. Yu for her help in preparing the samples and Ms. Yuan for helping with the data analysis. We are also grateful to Dr. Qi (Shanghai University) who edited the manuscript.

Publication ethics: Conflicts of interest



Professor Long: Consults for biomedical company

Mr. P. Wang: Sponsored by a pharmaceutical company

Mr. Y. Zhang: Sponsored by government

Acknowledgements

YZ is grateful for the financial support from the Chinese National Cancer Centre (Grant No. CC20120623378) and PW received support from AstraZeneca (Grant No. AZ1239994KL). HL consults for “Biomedisource” and has received funds from commercial firms.

Transparency

CONSORT, COPE, NIH

Publication ethics: Use published figures/text



Includes a Figure from a previously published article.
Discusses a theory that has already been published.

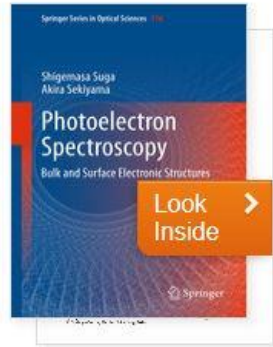
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- Angle Resolved Soft X-ray Photoelectron Spectroscopy
- Standing Wave
- References
- References

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Ignore publication ethics: Consequences

Manuscript rejected/retracted

Research field suffers (public trust, funding)

End of scientific career

Disciplinary action/expelled

Journal blacklist

Unwanted media attention

Conduct ethical research and provide complete data

Take responsibility and be honest

Any questions?

Peer review

Submitted manuscript

High quality?

Novel/
Relevant?

Readers interested?

Journal requirements met?



Well-written?

No

Yes

Reject

Peer review

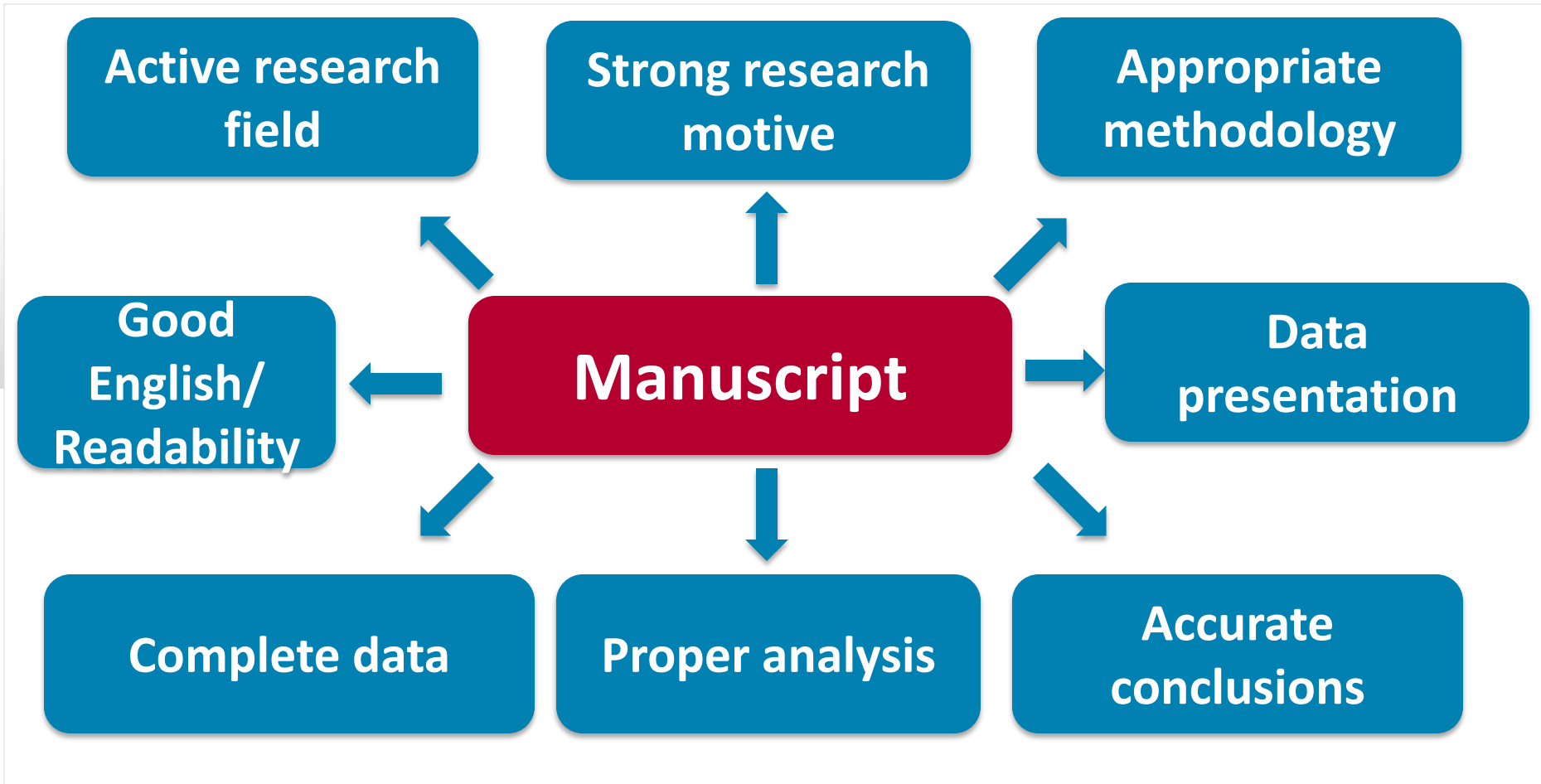
➤ Decision letter

➤ 3-5 Reviewers

Initial rejection letters

- We *cannot publish* your manuscript.
 - Your study *does not contain novel results*
 - The literature review *is incomplete*
 - The hypothesis *is unclear*
 - The manuscript does *not follow journal format*
 - The manuscript *is poorly written*
- We wish you luck in publishing *your results elsewhere*.

Peer review



Reasons for rejection

Publication ethics ignored

- Falsification (data made up)
- Fabrication (manipulation of data)
- Plagiarism (Re-use published text and data without proper citation)
- Multiple submissions

Rejection

Any questions?

Waiting.....



**Submit
Manuscript
+ Cover letter**

Why does it take so long?

**Contacts
Editorial office**



Waiting for reports. Decision
in the 3 weeks.

**Withdrawing
manuscript**

- Write to Journal Editor
- Approval from all authors

Decision letter

24 January 2013

Dear Dr. Long,

Manuscript ID NRL-11-7839: "Gene regulatory networks in living cells"

Your manuscript has been reviewed, and we regret to inform you that based on our Expert reviewers' comments, it is not possible to further consider your manuscript in its current form for publication in *Neurogenetics*.

Although the reviews are not entirely negative, it is evident from the extensive comments and concerns that the manuscript, in its current form, does not meet the criteria expected of papers in *Neurogenetics*. The results appear to be too preliminary and incomplete for publication at the present time.

The reviewer comments are included at the bottom of this letter. I hope the information provided by the reviewers will be helpful in future. Thank you for your interest in the journal and I regret that the outcome has not been favorable at this time.

Sincerely,

Decision letter

24 January 2013

Dear Dr. Long,

Manuscript ID NRL-11-7839: "Gene regulatory networks in living cells"

Your manuscript has been reviewed, and **we regret to inform you** that based on our Expert reviewers' comments, **it is not possible to further consider your manuscript in its current form** for publication in *Neurogenetics*.

Decision

Although the **reviews are not entirely negative**, it is evident from the extensive comments and concerns that the manuscript, in its current form, does not meet the criteria expected of papers in *Neurogenetics*. The **results appear to be too preliminary and incomplete for publication at the present time.**

Reasons

The **reviewer comments are included at the bottom of this letter.** I hope the information provided by the reviewers will be helpful in future. Thank you for your interest in the journal and I regret that the outcome has not been favorable at this time.

**Reviewer
comments**

Sincerely,

Editor is interested in your work

- The Reviewer comments *are not entirely negative*.
- It is not possible to consider your manuscript *in its current form*.
- I hope the information provided will be helpful when you *revise your manuscript*.
- I regret that the outcome has not been favorable *at this time*.

Editor is *not* interested in your work

- We *cannot publish* your manuscript.
- Your study *does not contain novel results* that merit publication in our journal.
- We appreciate your interest in our journal. However, we *will not further consider* your manuscript for publication.
- We wish you luck in publishing *your results elsewhere*.

Options

- New submission to *same* journal
- New submission to a *different* journal

Options

Can I address all the reviewers comments
in a revised mansuscript?

Yes

- New submission to *same* journal
 - Fully revise manuscript
 - Point-by-point responses
 - Include original manuscript ID number

Options

Can I address all the reviewers comments
in a revised manuscript?

No

- Submission to a *different* journal
- Revise manuscript



Options

Can I address all the reviewers comments in a revised mansuscript?

No

- Submission to a *different* journal
- Revise manuscript



Any questions?

Revise for resubmission

10 March 2013

Dear Dr. Long,

Manuscript ID 10.1002a/bbe.249347“Gene regulatory networks in living cells”.

Your manuscript has been reviewed, and we believe that after revision your manuscript may become suitable for publication in *Biotechnology and Bioprocess Engineering*. The reviewer concerns are included at the bottom of this letter.

You can submit a revised manuscript that takes into consideration these comments. You will also need to include a detailed commentary of the changes made. Please note that resubmitting your manuscript does not guarantee eventual acceptance, and that your resubmission may be subject to re-review by the reviewers before a decision is made.

To revise your manuscript, log into <https://www.editorialmanager.com/BBE/> and enter your Author Center, where you will find your manuscript title listed under "Manuscripts with Decisions." Under "Actions," click on "Create a Revision." Your manuscript number has been appended to denote a revision.

...

Revise for resubmission

10 March 2013

Dear Dr. Long

Manuscript ID number

Manuscript ID 10.1002a/bbe.249347 Gene regulatory networks in living cells".

Decision

Your manuscript has been reviewed, and we believe that after revision your manuscript may become suitable for publication in *Biotechnology and Bioprocess Engineering*. The reviewer concerns are included at the bottom of this letter.

You can submit a revised manuscript that takes into consideration these comments. You will also need to include a detailed commentary of the changes made. Please note that resubmitting your manuscript does not guarantee eventual acceptance, and that your resubmission may be subject to re-review by the reviewers before a decision is made.

To revise your manuscript, log into <https://www.editorialmanager.com/BBE/> and enter your Author Center, where you will find your manuscript title listed under "Manuscripts with Decisions." Under "Actions," click on "Create a Revision." Your manuscript number has been appended to denote a revision.

How to re-submit

...

Revise for resubmission

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How to respond

When submitting your revised manuscript, you will be able to respond to the comments made by the reviewer(s) in the space provided. You can use this space to document any changes you make to the original manuscript. In order to expedite the processing of the revised manuscript, please be as specific as possible in your response to the reviewer(s).

IMPORTANT: Your original files are available to you when you upload your revised manuscript. Please delete any redundant files before completing the submission.

Because we are trying to facilitate timely publication of manuscripts submitted to *BBE*, your revised manuscript should be uploaded by **10 April**. If it is not possible for you to submit your revision in a reasonable amount of time, we may have to consider your paper as a new submission.

Due date for resubmission

Once again, thank you for submitting your manuscript to *Biotechnology and Bioprocess Engineering* and I look forward to receiving your revised manuscript.

Responding to reviewers' comments

Agree

Disagree

Phrases for Agreeing

- The Reviewer is correct. *We have made the necessary changes.*
- Based on the Reviewers comments, we have....
- In our revised manuscript we have included....
- This is a valid point and we believe that....

How to disagree

Reviewer comment: The accuracy of motif predication is not high enough and the false-positive rate also remains high. I cannot see the advantages of this method over reverse engineering methods.

How to disagree

A: The Reviewer has completely misunderstood our paper. This Reviewer is a poor choice for our manuscript. Please send our manuscript to another Reviewer.

How to disagree

A: The Reviewer has completely misunderstood our paper. This Reviewer is a poor choice for our manuscript. Please send our manuscript to another Reviewer.

B: Our bioinformatics approach constructs a large-scale gene regulatory network. It efficiently identifies metabolic pathways. Less gene expression profiles have to be collected compared to reverse engineering methods and this is clearly an advantage. We have clarified this in the revised manuscript on page 3, lines 2-7.

How to disagree

A: The Reviewer has completely misunderstood our paper. This *Reviewer is a poor choice* for our manuscript. Please send our manuscript to another Reviewer.

Poor response

Rude

B: Our bioinformatics approach constructs a large-scale gene regulatory network. It efficiently identifies metabolic pathways. Less gene expression profiles have to be collected compared to reverse engineering methods and this is clearly an advantage. We have clarified this in the revised manuscript on page 3, lines 2-7.

How to disagree

A: The Reviewer has completely misunderstood our paper. This *Reviewer is a poor choice* for our manuscript. Please send our manuscript to another Reviewer.

Poor response

Rude

B: Our bioinformatics approach constructs a large-scale gene regulatory network. It *efficiently identifies metabolic pathways*. *Less gene expression profiles* have to be collected compared to reverse engineering methods and this is clearly *an advantage*. We have *clarified this* in the *revised* manuscript on *page 3, lines 2-7*.

Good response

Scientific facts

Conflicting reviewer comments

Reviewer 1: Please provide an additional flow diagram to highlight the MEME parameters in Figure 1.

Reviewer 2: Please provide the MEME parameters for the transcription factors in the Supporting Information.

Agrees with
Reviewer 2

Justify reason

Contact Editor

Responses

Reviewer comment: Additional experimentally-confirmed regulatory gene pairs should be identified to validate the method.

Response: *In accordance with your suggestion, we have provided information for four target genes in the Supporting Information. At5g46581 and At7g89470 are regulated by HY8 (as shown by Smith et al. 2011) and are involved in PSII mechanism. We have added two sentences (page 3, lines 5–10) to explain this and we have added Smith's reference (Ref. 15, page 3, line 7).*

Responses

Reviewer comment: Additional experimentally-confirmed regulatory gene pairs should be identified to validate the method.

Changes made

Response: *In accordance with your suggestion, we have provided information for **four target genes** in the Supporting Information. **At5g46581** and **At7g89470** are regulated by **HY8** (as shown by **Smith et al. 2011**) and are involved in **PSII** mechanism. We have **added two sentences** (page 3, lines 5–10) to explain this and we have added **Smith's reference** (**Ref. 15**, page 3, line 7).*

Responses

Reviewer comment: Additional experimentally-confirmed regulatory gene pairs should be identified to validate the method.

Changes made

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Location of
changes in revised
manuscript

Response in revised manuscript

1 “...In this study 89 gene pairs were identified. The TFs
2 At1g37898 and At2g78906 regulate 15 and 17 genes
3 respectively. These two TFs play an important role in
4 metabolic pathways during Arabidopsis halleri
5 development. The four experimentally-confirmed
6 regulatory gene pairs. At5g46581 and At7g89470 are
7 regulated by HY8 as shown by Smith et al. [15] and are
8 involved in PSII mechanism. The MEME parameters for
9 these four TFs are given in the Supporting Information
10 (Figure S1).”

Response letter layout

S. Park
Editor-in-Chief
Biotechnology and Bioprocess Engineering

5 April 2013

Dear Prof. Park,

Re: Resubmission of Manuscript ID 10.1002a/bbe.249347.

Please find attached a revised version of our manuscript entitled “Gene regulatory networks in living cells” which we would like to resubmit for consideration for as an Original Article in *Biotechnology and Bioprocess Engineering*.

The reviewer’s comments were highly insightful and enabled us to greatly improve the quality of our manuscript. In the following pages are our point-by-point responses to each of the comments.

Revisions in the manuscript are shown in red. In accordance with the first comment, the entire manuscript has undergone substantial English editing. We have also added new data.

We hope that the revisions in the manuscript and our accompanying responses will be sufficient to make our manuscript suitable for publication in *Biotechnology and Bioprocess Engineering*.

Sincerely,

Response letter layout

S. Park
Editor-in-Chief

Address editor personally

Biotechnology and Bioprocess Engineering

5 April 2013

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Manuscript ID number

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Thank reviewers

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Summarize major changes

We hope that the revisions in the manuscript and our accompanying responses will be sufficient to make our manuscript suitable for publication in *Biotechnology and Bioprocess Engineering*.

Sincerely,

Point-by-point responses

Reviewer 1:

Comment 1

There are many typos and complicated phrases. This manuscript should be corrected by a native English speaker before resubmission.

Comment 2

I enjoyed reviewing the discussion in this paper. All relevant data have been included and both the merits and weaknesses of this bioinformatics approach have been included.

Point-by-point responses

Reviewer 1:

Comment 1

Italicized

There are many typos and complicated phrases. This manuscript should be corrected by a native English speaker before resubmission.

Response

Thank you for your comment. The entire manuscript has undergone English editing by a native speaker.

Bold

Comment 2

I enjoyed reviewing the discussion in this paper. All relevant data have been included and both the merits and weaknesses of this bioinformatics approach have been included.

Italicized

Response

Thank you for your positive comment.

Bold

Peer review

Resubmission

**Revised
manuscript**

Are all reviewer
comments
addressed?

Decision letter



Peer review

Resubmission

**Revised
manuscript**

Are all reviewer
comments
addressed?

Decision letter

Reject

➤ Comments
not addressed



Peer review

Resubmission

Revised manuscript

Are all reviewer comments addressed?

Decision letter

Reject

➤ Comments not addressed



Peer review

- Revisions unclear
- Second opinion needed

Peer review

Resubmission

Revised manuscript

Are all reviewer comments addressed?

Decision letter

Reject

➤ Comments not addressed



Accept

➤ Comments appropriately addressed

Peer review

- Revisions unclear
- Second opinion needed

Acceptance letter



- Deadlines
- Minor corrections
- Change manuscript layout
- Check file formats

Celebrate!



Publish Faster

Successful navigation ...

**Convince editor/reviewers to
accept paper**

Publish Faster

Successful navigation ...

**Convince editor/reviewers to
accept paper**

You must

**Fully revise your
manuscript**

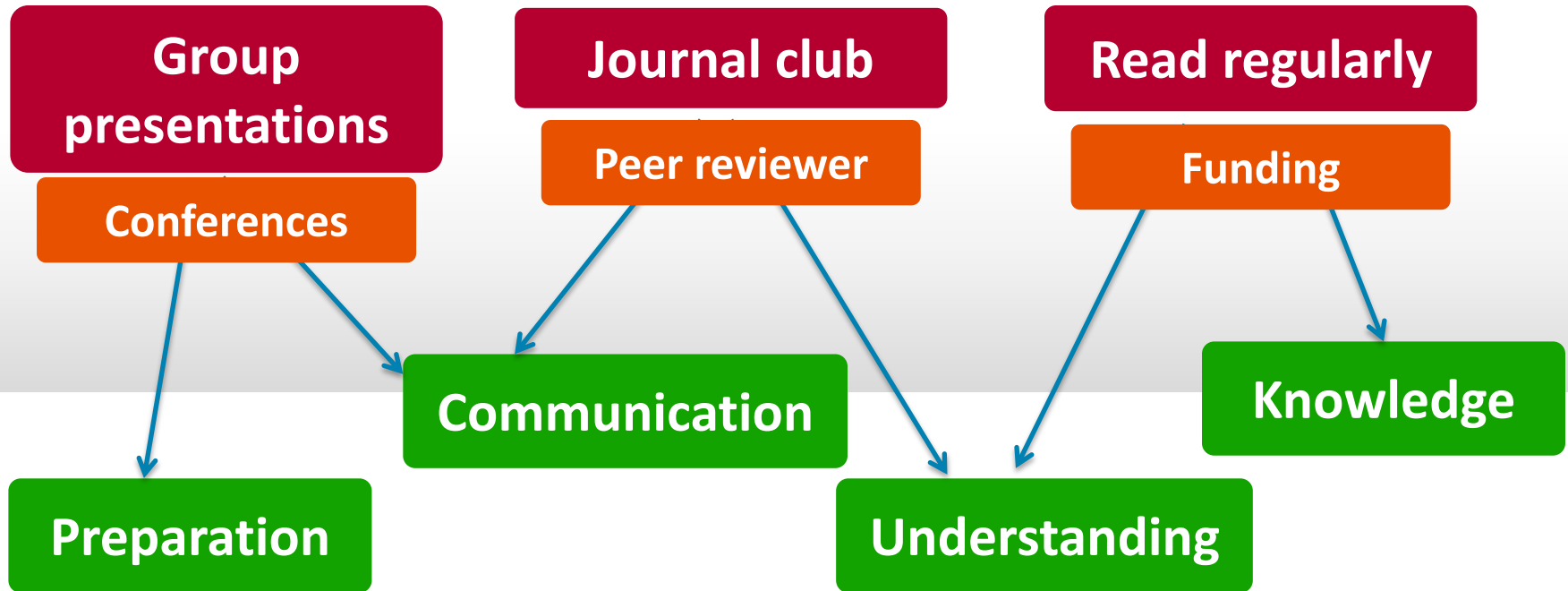
**Respond to all
comments**

**Provide scientific
relevant responses**

**Be polite and
professional**

Any questions?

Successfully write a manuscript



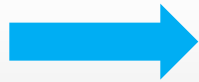
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Speed up submission process



Manuscript

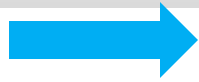
Cover letter



Peer review

List reviewers

Update references



Revised Manuscript

Point-by-point response letter

Mark changes in revised manuscript

<http://www.sciencemag.org/site/special/scicomm/index.xhtml>

Any questions?

Thank you
Good luck!