Séminaire Science Ouverte – 19 mars 2026

Discussion autour de pratiques Science Ouverte :

- Publier en revue Open Access
- Publier un pré-print
- Publier un « registered protocol report »

A. Anthierens, S. Guérin & L. Mekkaoui

URePSSS Unité de Recherche Pluridisciplinaire Sport Santé Société

Présentation 1 : Publier en Open Access

Introduction – Publications et science ouverte

Science Ouverte = Rendre les produits de la recherche accessible et transparent (articles, données, protocoles)

Accessibilité :
des productions scientifiques

Transparence:
Données, Protocole, montage du projet

Voie « verte » : Rendre disponible par l'autoarchivage
- Après publication
- Embargo (6 à 12 mois)

Voie « gold » : Publier en Open Access
- Article accessible et gratuit pour le lecteur
- Gain de visibilité pour l'auteur

→
- Emergence des revues prédatrices
- Frais de publication associés

Voie « diamond » : Financement par institution
- Gratuité totale
- Faible volume de publication

Pré-print

Reconnaitre les revues prédatrices

https://thinkchecksubmit.org/

Liste de 29 points à vérifier :

- **Titre de revue** facilement confondable avec une autre revue (hijacked journal)
- **Indexation** et enregistrement : portail ISSN, Pubmed, scopus, **DOAJ**
- **Editeur**: nom, contact accessible?
- **Reviewing** : comité éditorial ou experts du domaine ? Délais anormalement courts de révision et soumission
- **Communication** : nombre d'e-mails ?
- Qualité des articles déjà publiés
- APC dissimulé

CHECK

Reference this list for your chosen journal to check if it is trusted.

Do you or your colleagues know the journal?

- ☐ Have you read any articles in the journal before?
- ☐ Is it easy to discover the latest papers in the journal?
- ☐ Name of the journal: the name is unique; it is not the same or easily confused with another journal.
- ☐ Can you cross check with information about the journal in the **ISSN portal**?

Can you easily identify and contact the publisher?

- ☐ Is the publisher name clearly displayed on the journal website?
- ☐ Can you contact the publisher by telephone, email, and post?

Is the journal clear about the type of peer review it uses?

- ☐ Does the website mention whether the process involves independent/external reviewers, how many reviewers per paper?
- ☐ Is the publisher offering a review by an expert editorial board or by researchers in your subject area?
- ☐ The journal doesn't guarantee acceptance or a very short peer review time.

Are articles indexed and/or archived in dedicated services?

- ☐ Will your work be indexed/archived in an easily discoverable database?
- ☐ Does the publisher ensure **long term archiving and preservation** of digital publications?
- ☐ Does the publisher use **persistent digital identifiers**?

Is it clear what fees will be charged?

- ☐ Does the journal site explain what these fees are for and when they will be charged?
- ☐ Does the publisher explain on their website how they are financially supported?
- ☐ Do they mention the currency and amount of any fees?
- ☐ Does the publisher website explain whether or not waivers are available?

Are guidelines provided for authors on the publisher website?

- ☐ For open access journals, does the publisher have a clear **license** policy? Are ther preferred licenses? Are there exceptions permitted depending on the needs of the author? Are license details included on all publications?
- ☐ Does the publisher allow you to retain **copyright** of your work? Can you share your work via, for example, an institutional repository, and under what terms?
- ☐ Does the publisher have a clear policy regarding potential conflicts of interest for authors, editors and reviewers?
- ☐ Can you tell what formats your paper will be available in? (e.g. HTML, XML, PDF)
- ☐ Does the journal provide any information about **metrics of usage or citations**?

Is the publisher a current member of a recognized industry initiative?

- ☐ Are they a **current member** of the **Committee on Publication Ethics (COPE)** and follow its **guidelines**?
- ☐ If the journal is open access, is it listed in the **Directory of Open Access Journals (DOAJ)**?
- ☐ If the publisher offers an open access option, is it a **current member** of the **Open Access Scholarly Publishers' Association (OASPA)**?
- ☐ Is the journal hosted on one of INASP's **Journals Online** platforms (for journals published in Bangladesh, Nepal, Sri Lanka, Central America and Mongolia) or on **African Journals Online** (AJOL, for African journals)?
- ☐ If the journal is open access, is it hosted on **Scielo** (for Latin American scientific journals)?
- ☐ If the journal is open access, is it indexed in **Latindex** (for journals that are published in Latin America, the Caribbean, Spain, and Portugal)?
- ☐ If the journal is open access, is it indexed by **Redalyc** (for journals that are published in Latin America and the Caribbean, Spain, and Portugal)?
- ☐ Is the publisher a member of another trade association?

https://thinkchecksubmit.org/journals/french/

Reconnaitre les revues prédatrices : cas pratique

Menons l'enquête!

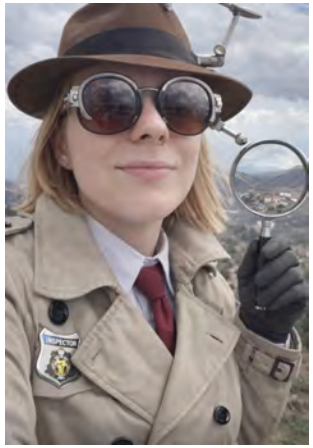

Image générée par IA

OAText- Translational Science
Hi Anthierens Agathe, Calling for manuscript submissions
À : agatheanthierens@gmail.com,
Répondre à : editor.jts@fasttrackpublication.org

Corbeille - GMAIL 10 mars 2026 à 08:27

Dear Anthierens Agathe,

This message relates to manuscript submissions related to **Paraspinal muscle oxygenation and mechanical efficiency are reduced in individuals with chronic low back pain.**

Manuscripts are considered for publication through the journal's standard editorial review process.

Journal of Translational Science publishes original research articles, review papers, case reports, and other scholarly works within its defined scope.

Submissions are received through the journal's official submission system or as an attachment and are assessed in accordance with established editorial and peer-review guidelines.

Additional submission or policy details are available from the editorial office if required.

Regards,

Rebecca Rudhi

Submit your Next Article

- Online submission
- Highly indexed and abstracted
- 7 years of successful publishing
- Wider visibility though open access
- Higher impact with wider visibility
- Prompt review

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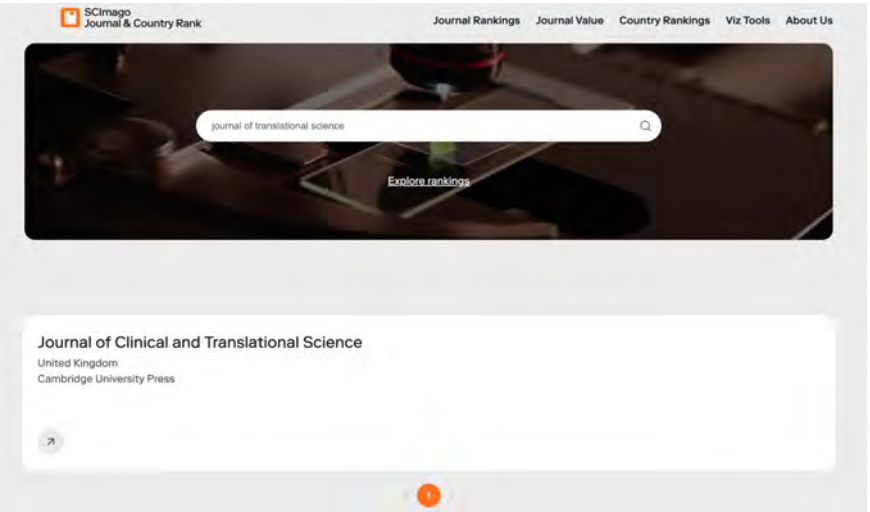
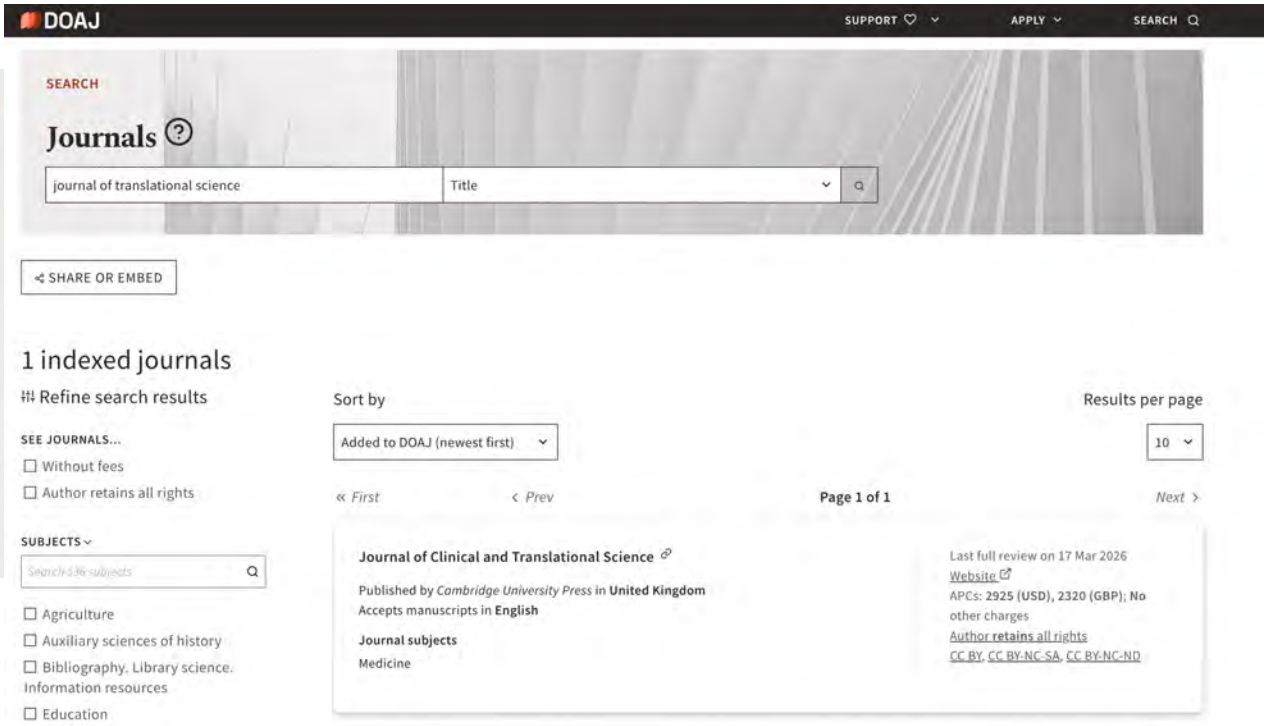
Reconnaitre les revues prédatrices : cas pratique

- Référencement de l'article :





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Reconnaitre les revues prédatrices : cas pratique

- Référencement de l'article :

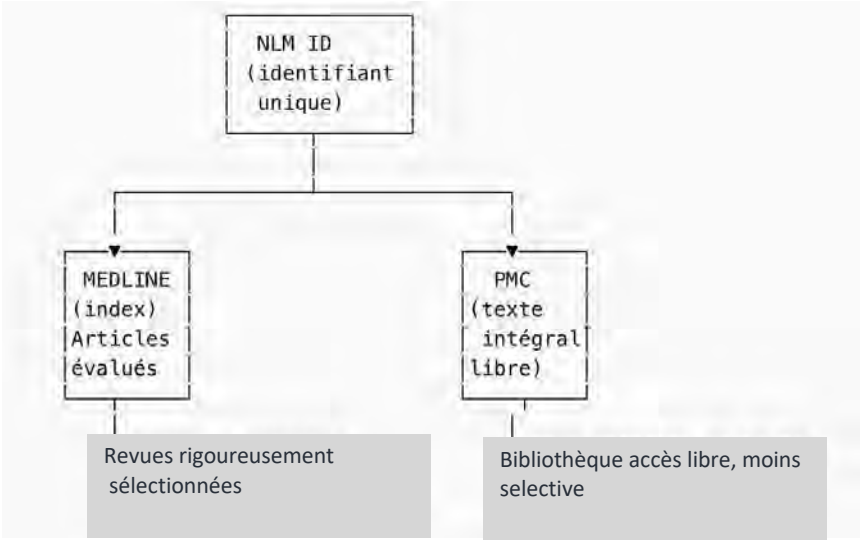
Enregistrement sans gage de qualité

NLM Catalog | NLM Catalog | "J Transl Sci"[Title Abbreviation] | Create alert | Advanced

Full – Send

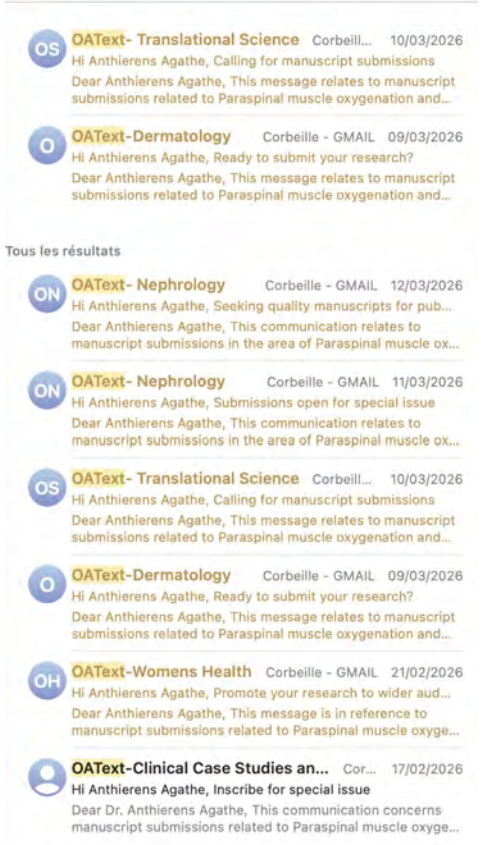
Journal of translational science

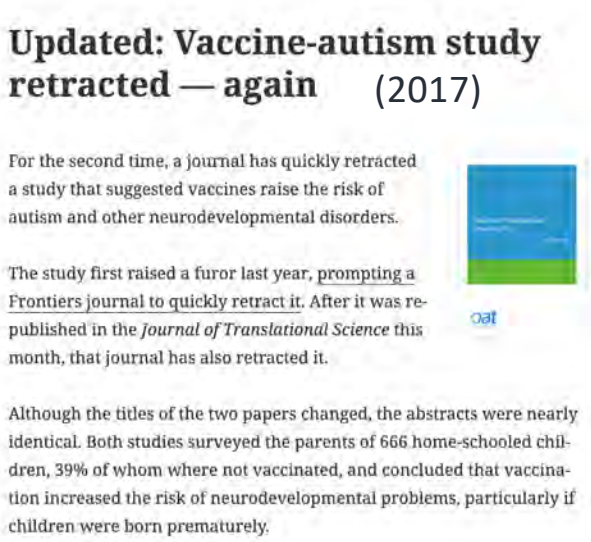
NLM Title Abbreviation: J Transl Sci
Title(s): Journal of translational science.
Other Title(s): JTS
Publication Start Year: 2015
Country of Publication: England
Publisher: London ; Open Access Text
Language: English
ISSN: 2059-268X (Electronic)
Electronic Links: Access not provided by NLM
In: PubMed: Selected citations only
Current Indexing Status: Not currently indexed for MEDLINE. Citations are for articles where the manuscript was deposited in PubMed Central (PMC) in compliance with public access policies. For further information, see Author Manuscripts in PMC.
Collection Status: Not in the NLM Collection
NLM ID: 101661355 [Serial]



Reconnaitre les revues prédatrices : cas pratique

- **« Pratiques » de l'éditeur :**




Updated: Vaccine-autism study retracted — again (2017)

For the second time, a journal has quickly retracted a study that suggested vaccines raise the risk of autism and other neurodevelopmental disorders.

The study first raised a furor last year, prompting a Frontiers journal to quickly retract it. After it was republished in the *Journal of Translational Science* this month, that journal has also retracted it.

Although the titles of the two papers changed, the abstracts were nearly identical. Both studies surveyed the parents of 666 home-schooled children, 39% of whom where not vaccinated, and concluded that vaccination increased the risk of neurodevelopmental problems, particularly if children were born prematurely.


Take a look at the Recent articles

Health effects in vaccinated versus unvaccinated children, with covariates for breastfeeding status and type of birth (2020)

Brian S. Hooker · Neil Z. Miller

Review Article ISSN: 2059-268X

The ability of vaccines to protect others: Implications for vaccine mandates (2025)

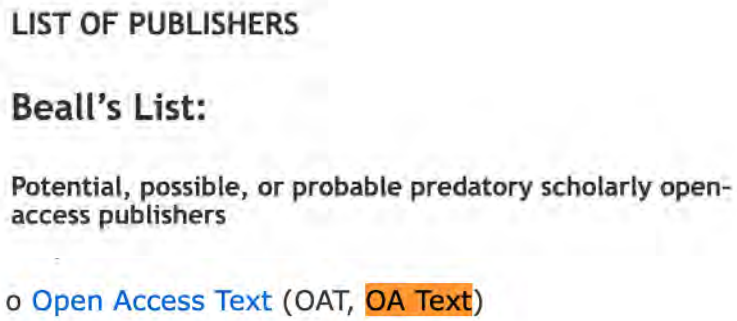
Roberto Cappelletti*

Researcher, Independent Orthopaedic and General Surgeon, 38064 Folgaria (Trento), Italy

Recherche Pluridisciplinaire Sport Santé Société

Reconnaitre les revues prédatrices : cas pratique

- **« Popularité » de l'éditeur :**



LIST OF PUBLISHERS

Beall's List:

Potential, possible, or probable predatory scholarly open-access publishers

o Open Access Text (OAT, OA Text)

→ Liste toujours disponible mais pas mise à jour (dernière MAJ 2017)

Autres outils actualisés

https://www.predatoryjournals.org/

DOAJ OPEN GLOBAL TRUSTED

« Directory of Open Access Journal »

- Peer review
- Politique clair sur les droits d'auteur et l'éthique
- Indexation
- Accessibilité des articles
- APC transparents

https://sante.sorbonne-universite.fr/recherche/liste-des-revues-presumees-non-predatrices

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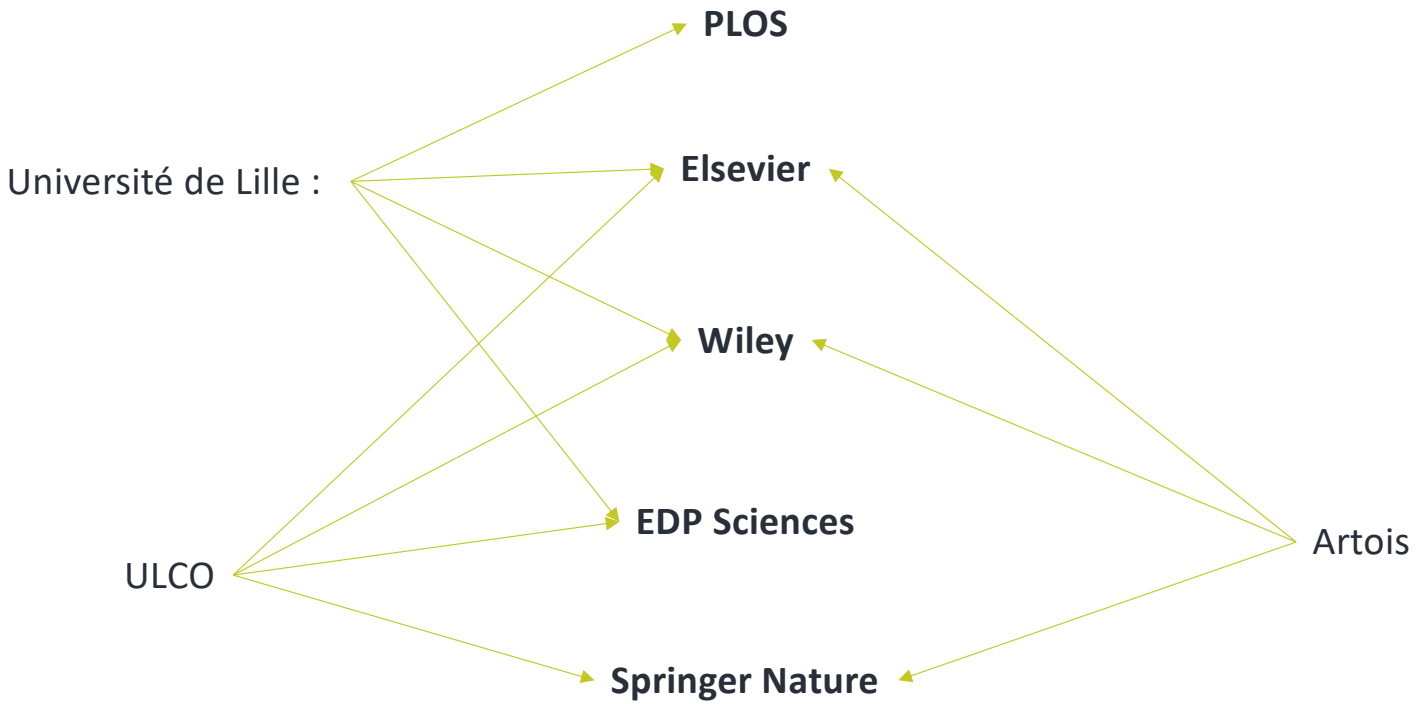
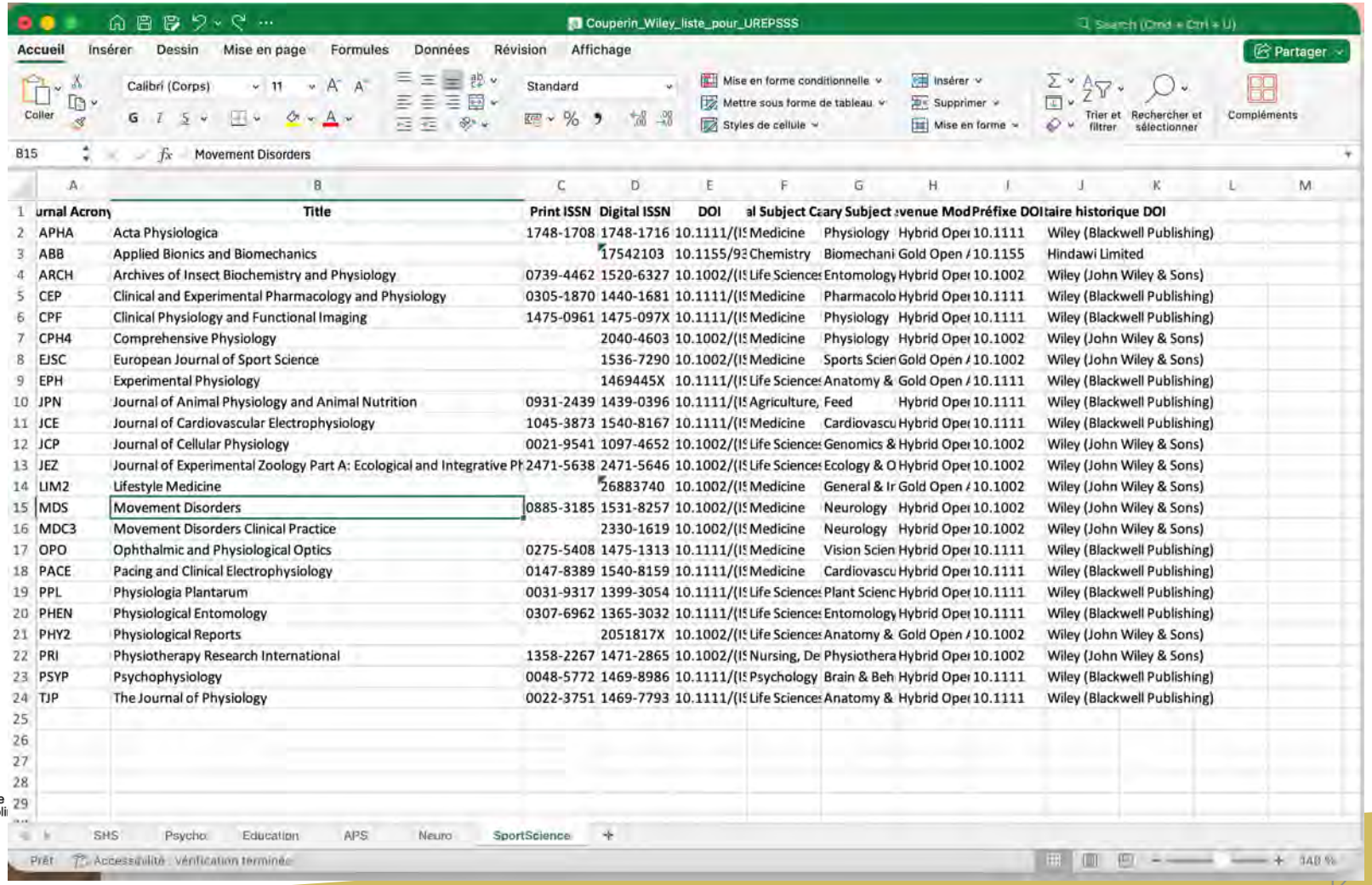
Contourner les APC (*Article Processing Charge*) = frais de publication

(Consortium Couperin)



Contourner les APC (*Article Processing Charge*) = frais de publication



Couperin_Wiley_liste_pour_UREPSSS

Accueil | Insérer | Dessin | Mise en page | Formules | Données | Révision | Affichage | Partager

Calibri (Corps) 11 — Standard — Mise en forme conditionnelle — Mettre sous forme de tableau — Styles de cellule — Insérer — Supprimer — Mise en forme — Trier et filtrer — Rechercher et sélectionner — Compléments

B15 — Movement Disorders

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	urnal Acron	Title	Print ISSN	Digital ISSN	DOI	al Subject C	ary Subject	venue Mod	Préfixe DOI	taire historique DOI			
2	APHA	Acta Physiologica	1748-1708	1748-1716	10.1111/(IS	Medicine	Physiology	Hybrid Oper	10.1111	Wiley (Blackwell Publishing)			
3	ABB	Applied Bionics and Biomechanics		17542103	10.1155/93	Chemistry	Biomechani	Gold Open A	10.1155	Hindawi Limited			
4	ARCH	Archives of Insect Biochemistry and Physiology	0739-4462	1520-6327	10.1002/(IS	Life Science	Entomology	Hybrid Oper	10.1002	Wiley (John Wiley & Sons)			
5	CEP	Clinical and Experimental Pharmacology and Physiology	0305-1870	1440-1681	10.1111/(IS	Medicine	Pharmacolo	Hybrid Oper	10.1111	Wiley (Blackwell Publishing)			
6	CPF	Clinical Physiology and Functional Imaging	1475-0961	1475-097X	10.1111/(IS	Medicine	Physiology	Hybrid Oper	10.1111	Wiley (Blackwell Publishing)			
7	CPH4	Comprehensive Physiology		2040-4603	10.1002/(IS	Medicine	Physiology	Hybrid Oper	10.1002	Wiley (John Wiley & Sons)			
8	EJSC	European Journal of Sport Science		1536-7290	10.1002/(IS	Medicine	Sports Scien	Gold Open A	10.1002	Wiley (John Wiley & Sons)			
9	EPH	Experimental Physiology		1469445X	10.1111/(IS	Life Science	Anatomy &	Gold Open A	10.1111	Wiley (Blackwell Publishing)			
10	JPN	Journal of Animal Physiology and Animal Nutrition	0931-2439	1439-0396	10.1111/(IS	Agriculture,	Feed	Hybrid Oper	10.1111	Wiley (Blackwell Publishing)			
11	JCE	Journal of Cardiovascular Electrophysiology	1045-3873	1540-8167	10.1111/(IS	Medicine	Cardiovascu	Hybrid Oper	10.1111	Wiley (Blackwell Publishing)			
12	JCP	Journal of Cellular Physiology	0021-9541	1097-4652	10.1002/(IS	Life Science	Genomics &	Hybrid Oper	10.1002	Wiley (John Wiley & Sons)			
13	JEZ	Journal of Experimental Zoology Part A: Ecological and Integrative Ph	2471-5638	2471-5646	10.1002/(IS	Life Science	Ecology & O	Hybrid Oper	10.1002	Wiley (John Wiley & Sons)			
14	LIM2	Lifestyle Medicine		26883740	10.1002/(IS	Medicine	General & Ir	Gold Open A	10.1002	Wiley (John Wiley & Sons)			
15	MDS	Movement Disorders	0885-3185	1531-8257	10.1002/(IS	Medicine	Neurology	Hybrid Oper	10.1002	Wiley (John Wiley & Sons)			
16	MDC3	Movement Disorders Clinical Practice		2330-1619	10.1002/(IS	Medicine	Neurology	Hybrid Oper	10.1002	Wiley (John Wiley & Sons)			
17	OPO	Ophthalmic and Physiological Optics	0275-5408	1475-1313	10.1111/(IS	Medicine	Vision Scien	Hybrid Oper	10.1111	Wiley (Blackwell Publishing)			
18	PACE	Pacing and Clinical Electrophysiology	0147-8389	1540-8159	10.1111/(IS	Medicine	Cardiovascu	Hybrid Oper	10.1111	Wiley (Blackwell Publishing)			
19	PPL	Physiologia Plantarum	0031-9317	1399-3054	10.1111/(IS	Life Science	Plant Scienc	Hybrid Oper	10.1111	Wiley (Blackwell Publishing)			
20	PHEN	Physiological Entomology	0307-6962	1365-3032	10.1111/(IS	Life Science	Entomology	Hybrid Oper	10.1111	Wiley (Blackwell Publishing)			
21	PHY2	Physiological Reports		2051817X	10.1002/(IS	Life Science	Anatomy &	Gold Open A	10.1002	Wiley (John Wiley & Sons)			
22	PRI	Physiotherapy Research International	1358-2267	1471-2865	10.1002/(IS	Nursing, De	Physiothera	Hybrid Oper	10.1002	Wiley (John Wiley & Sons)			
23	PSYP	Psychophysiology	0048-5772	1469-8986	10.1111/(IS	Psychology	Brain & Beh	Hybrid Oper	10.1111	Wiley (Blackwell Publishing)			
24	TJP	The Journal of Physiology	0022-3751	1469-7793	10.1111/(IS	Life Science	Anatomy &	Hybrid Oper	10.1111	Wiley (Blackwell Publishing)			
25													
26													
27													
28													
29													

SHS | Psycho | Education | APS | Neuro | SportScience | +

Prêt — Accessibilité : vérification terminée — 348 %

URePSSS Unité de Recherche Pluridisciplinaire Sport Santé Société

Contourner les APC (*Article Processing Charge*) = frais de publication

- ULCO (Contact : BULCO openaccess@univ-littoral.fr)

Remboursement des APC sous condition (après acceptation et en proportion du nombre d'auteurs ULCO, selon IF, facture traité par sifac)

Lille:

Remboursement des APC sous condition (après acceptation et premier auteur univ-lille, referencement DOAJ, 2500 euros max par article)

♦ Mise à jour 05/03/2026 : le fonds APC 2026 n'est pas encore ouvert ♦

https://scienceouverte.univ-lille.fr/publications/publier-en-open-access/fonds-apc

```r
# ---------------- SHS ----------------
SHS <- data %>%
  filter(grepl(
    "anthropology|social|sociology|culture|society|inequality|gender|policy|
    community|population|migration",
    tolower(.[[2]])
  ))

# ---------------- Psycho ----------------
Psycho <- data %>%
  filter(grepl(
    "cognitive|psychology|psychological|mental health|behavior|behaviour|
    cognition|emotion|affect|wellbeing|stress|perception",
    tolower(.[[2]])
  ))

# ---------------- Education ----------------
Education <- data %>%
  filter(grepl(
    "educational|education|learning|teaching|pedagogy|school|
    curriculum|training|literacy",
    tolower(.[[2]])
  ))
```

```r
# ---------------- APS (sport / activité physique) ----------------
APS <- data %>%
  filter(
    grepl(
      "physical activity|physical activities|sport|sports|exercise|exercises|
      training|fitness|conditioning|strength|endurance|rehabilitation|physiotherapy|
      biomechanics|kinesiology|motor control|motor learning",
      tolower(.[[2]])
    ) &
      !grepl("transportation", tolower(.[[2]]))
  )

# ---------------- Neuro ----------------
Neuro <- data %>%
  filter(grepl(
    "neuro|brain|neural|nervous system",
    tolower(.[[2]])
  ))

# ---------------- Sport Science ----------------
SportScience <- data %>%
  filter(grepl(
    "sport science|physio|movement|biomechanics|kinesiology|motor control|
    motor learning|motor behaviour|strength and conditioning|performance",
    tolower(.[[2]])
  ))
```

Présentation 2 : Publier un pré-print

Science ouverte, pré-print et HCERES

Évaluation de la recherche

RAPPORT D'ÉVALUATION DE L'UNITÉ

URePSSS - Unité de Recherche Pluridisciplinaire Sport, Santé, Société

SOUS TUTELLE DES ÉTABLISSEMENTS ET ORGANISMES :

Université de Lille

Université d'Artois

Université du Littoral Côte d'Opale - ULCO

CAMPAGNE D'ÉVALUATION 2024-2025

VAGUE E

Rapport publié le 06/03/2025

Haut Conseil de l'évaluation de la recherche et de l'enseignement supérieur

Santé Société

DOMAINE 4 : INSCRIPTION DES ACTIVITÉS DE RECHERCHE DANS LA SOCIÉTÉ

Appréciation sur l'inscription des activités de recherche dans la société

L'unité a une activité diversifiée et soutenue de diffusion des connaissances vers la société, des interactions fortes avec le secteur social et sanitaire, et de nombreuses sollicitations pour des expertises nationales dans le domaine « sport et société ». Cette dynamique de diffusion et de vulgarisation appelle à une continuité et un renforcement de la part de l'unité. Les perspectives de la science ouverte sont également à promouvoir.

La dynamique de diffusion et de vulgarisation scientifique est restreinte à certains membres de l'unité. La science ouverte comme l'archive ouverte sont peu exploitées.

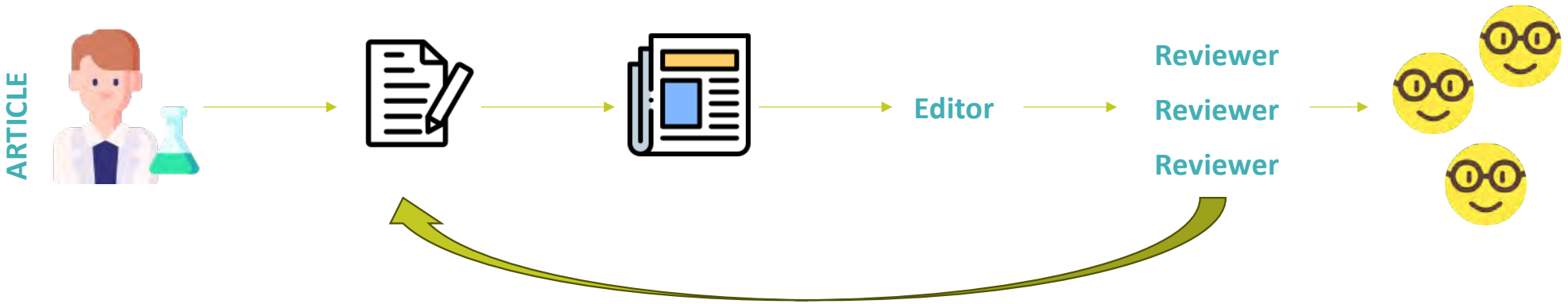
Une attention particulière devrait être également portée sur le développement de la science et des archives ouvertes, c'est-à-dire sur l'ouverture du savoir scientifique produit par l'unité en le rendant facile à trouver, librement accessible, réutilisable, échangeable dans un cadre scientifique, juridique, éthique et technique adapté.

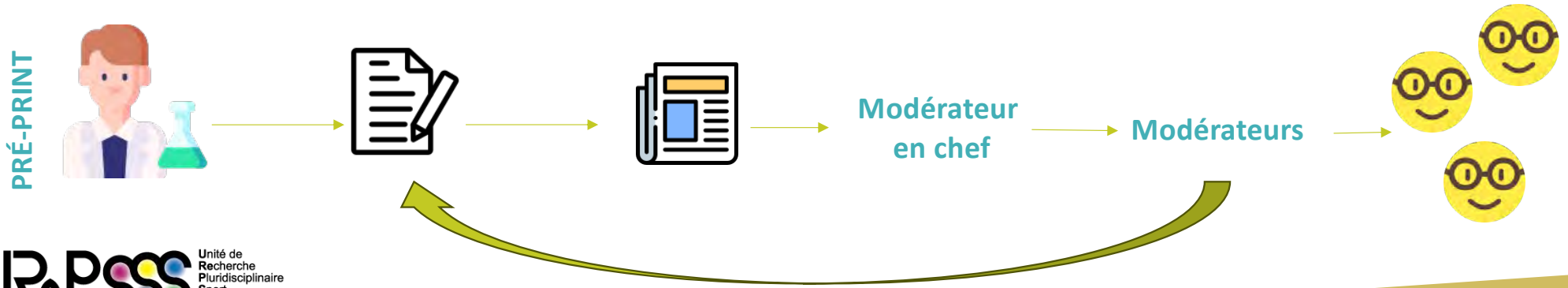
Qu’est-ce qu’un pré-print ?

- **Article** “scientifique”
- Publié en **amont** ”peer-review”
- Publié dans une **plateforme ar$_x$viv**

“Draft finalisé”

Publier dans un article *vs.* un pré-print





Pré-print … ou post-print ?

Pré-print

Cover letter

Article publié

Post-print

Modifications

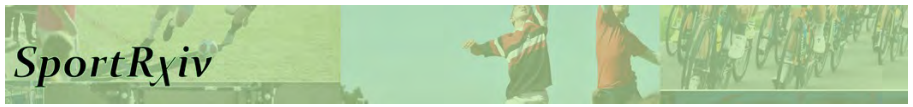
Politique éditoriale

Pré-print : Avantages et Inconvénients

- Rapidité de diffusion / accès
- Large diffusion
- Retours de la communauté
  - Repérer des erreurs avant publication
- Gratuité (OA)
- Focus sur la science et pas le scope
- Pas besoin d'une évaluation par les pairs
- Formateur (JC)
- Citation possible

- Qualité scientifique
- Vol de propriété scientifique
  → DOI/License
- Plagiat
  → antériorité
- Ne compte pas dans les metrics de la carrière académique
  → Ouverture à la science ouverte

SportRχiv



https://sportrxiv.org/

Modérateurs en chef

Layan Fessler
ULILLE, ScaLab

Modérateurs

Ségolène Guérin
ULCO, URePSSS

Agathe Anthierens
ULILLE, URePSSS

Laëtitia Nadaud
ULCO, TVES

Simon Nolte
German Sport University

Alexandre Mazeas
University of Southern Danmark

Léa Mekkaoui
ULILLE, URePSSS

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SportR$_{\chi}$iv – Domaines et disciplines

Domaines interdisciplinaires

- Sport
- Exercice
- Performance
- Réhabilitation
- Santé

Disciplines

- Biomécanique
- Physiologie
- Développement & management
- Physiothérapie
- Histoire
- Psychologie
- Philosophie
- Sociologie

Mais aussi : théatre, la danse, art, spectacle, …

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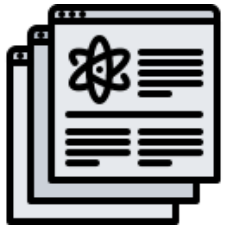
SportR$_{\chi}$iv – Types de recherches acceptées

- Original article
- Review article
- Current opinion
- Commentaries
- Case studies
- Technical reports
- Short communications

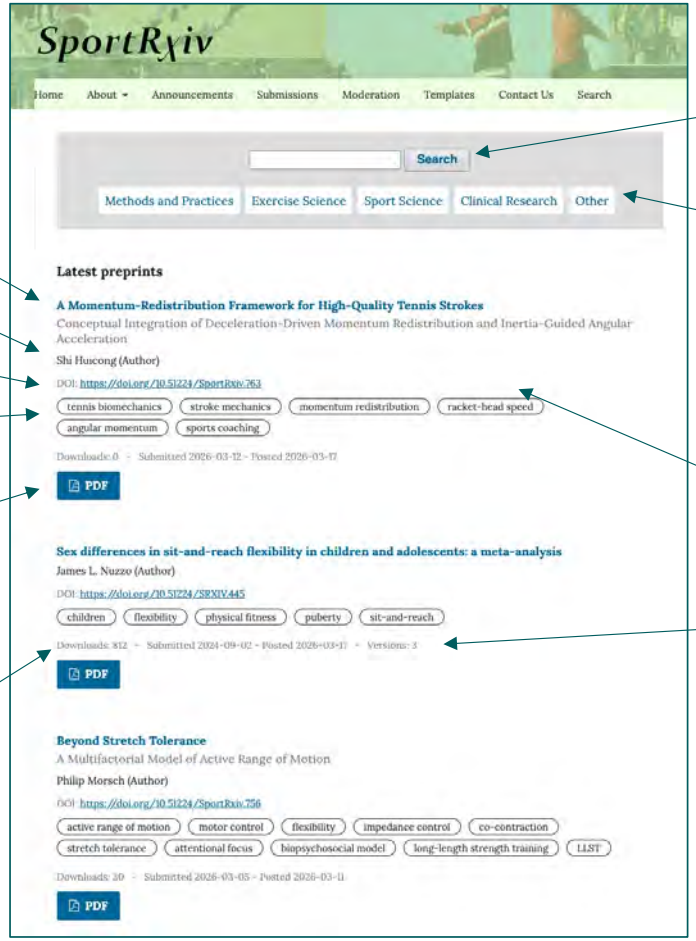


- Mémoire
- Thèse
- Blogs

Tous autres documents ne respectant pas les standards scientifiques

URePSSS Unité de Recherche Pluridisciplinaire Sport Santé Société

SportRχiv – Page d'accueil



Titre

Auteur(s)

DOI

Mots-clés

Lien PDF

Nombre de téléchargements

Barre de recherche

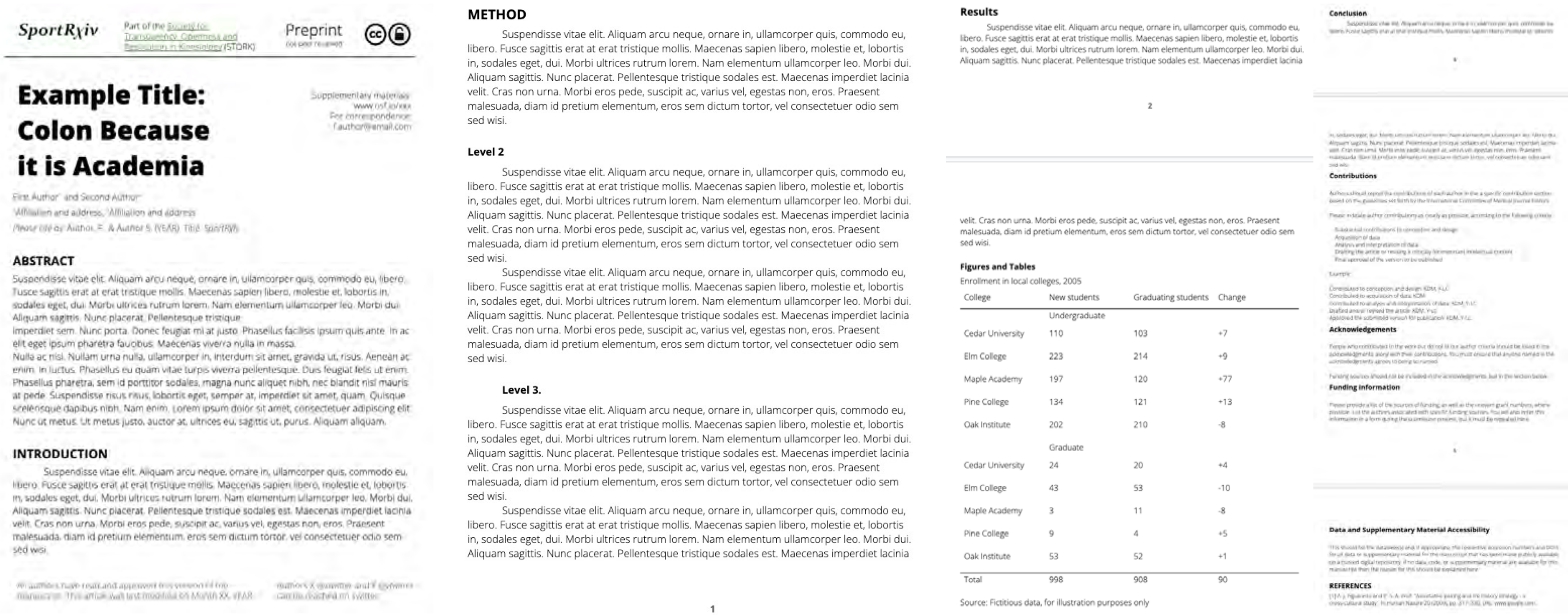
Domaines

Date de soumission – Date de publication

Nombre de versions

URePSSS Unité de Recherche Pluridisciplinaire Sport Santé Société

SportR$_\chi$iv – Submission & Template



Unité de Recherche Pluridisciplinaire Sport Santé Société

SportR$_{\chi}$iv – Process de modération

- Pas une expertise par les pairs mais une modération !
- Validation de la forme et non du fond
- Standards scientifiques
- Non généré par l'IA

Merci pour votre attention !

Avez-vous des questions ?

Follow us on LinkedIn!

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Preprint

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Présentation 3 : Les registered reports

Anatomie d'un format de publication

Ségolène M. R. Guérin
URePSSS | Université du Littoral Côte d'Opale

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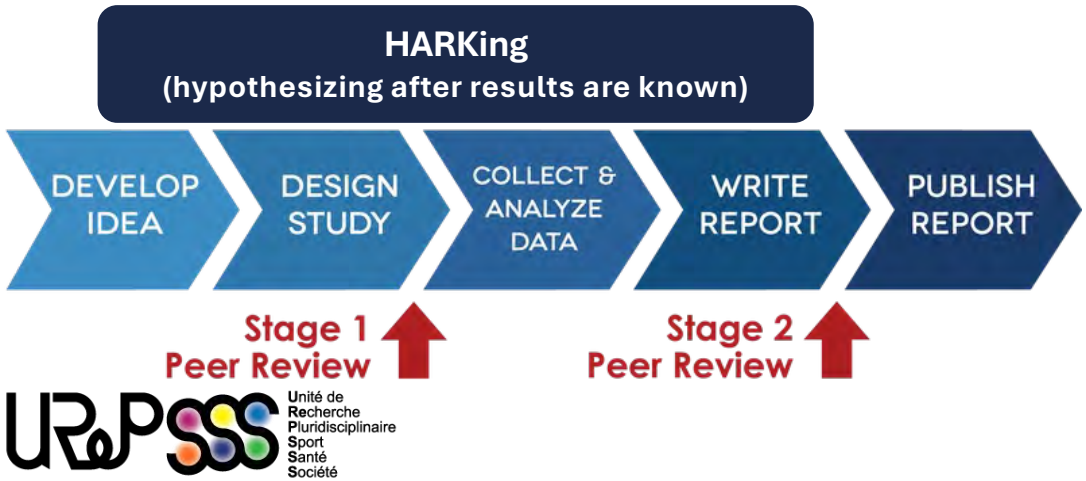
Registered reports ?

Le paradoxe des résultats

> Le **bon chercheur** objectif suit les données avec discipline et retenue, sans jamais les forcer à se plier à sa volonté…

> … mais si l'on veut **réussir en science**, il faut s'assurer de publier de nombreux résultats clairs, novateurs et positifs

Bridges (2022)



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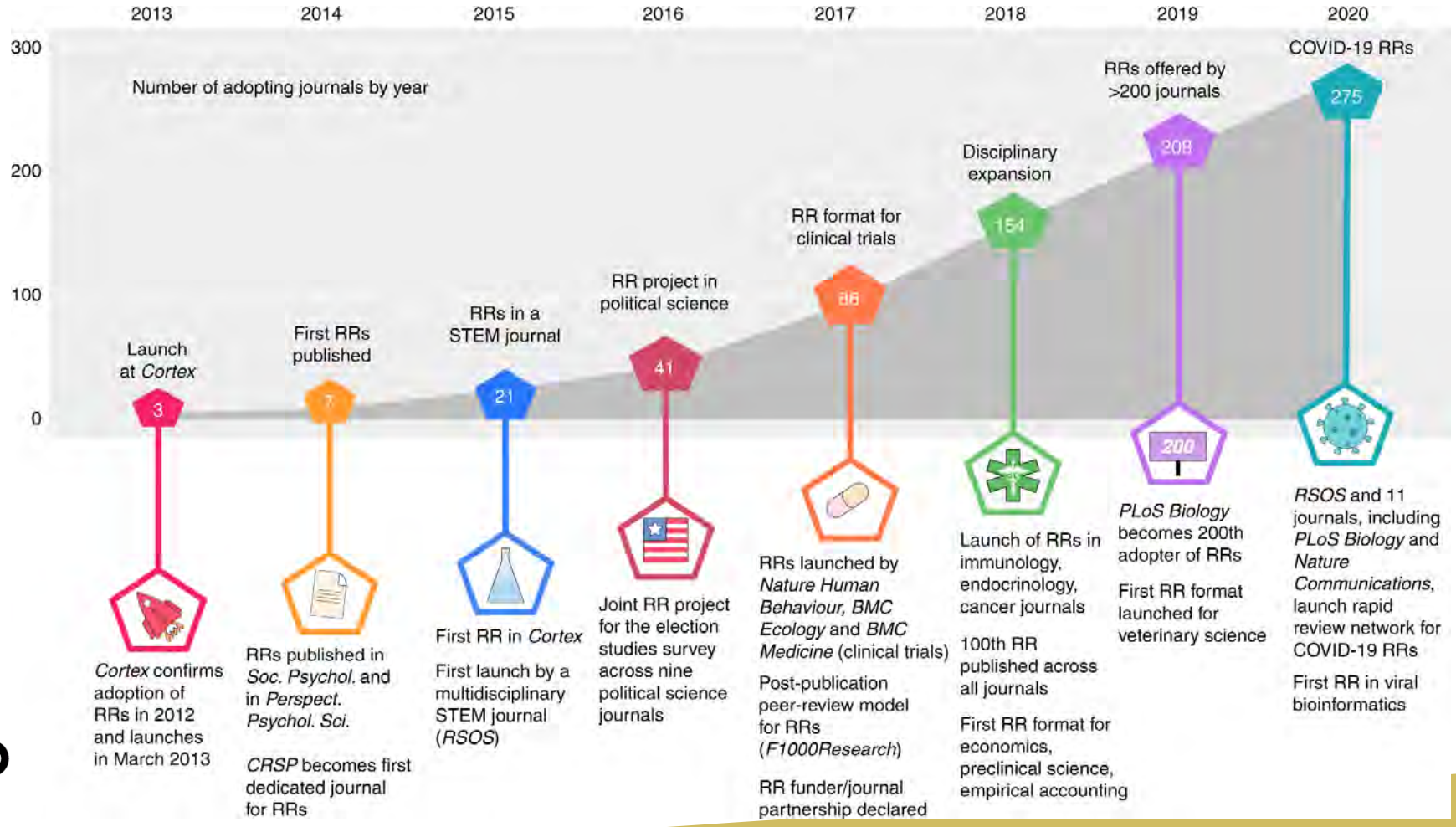
Briser le cercle vicieux

> Philosophie : rendre l'évaluation scientifique **aveugle aux résultats** de la recherche

> Étape 1 : examen des questions de recherche, de l'encrage théorique, des hypothèses, de la méthode, et du plan d'analyse (+ données préliminaires)

> Étape 2 : examen du protocole approuvé, des résultats et de la discussion

Bref historique



Chambers & Tzavella (2021)

Impact

- **60% de résultats nuls**, x5 par rapport à un format de publication classique (Allen & Mehler, 2019)
- **57% de code reproductible** vs. 31% dans un format de publication classique (Hardwicke et al., 2018)
- **Même nombre de citations** (Hummer et al., 2017)
- **Meilleure qualité** (Soderberg et al., 2021)

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Le processus éditorial

01

> Rédiger l'introduction et la méthode au futur

> Déposer le tout sur une archive ouverte (e.g., Zenodo), avec le code et les données pilotes associées

02

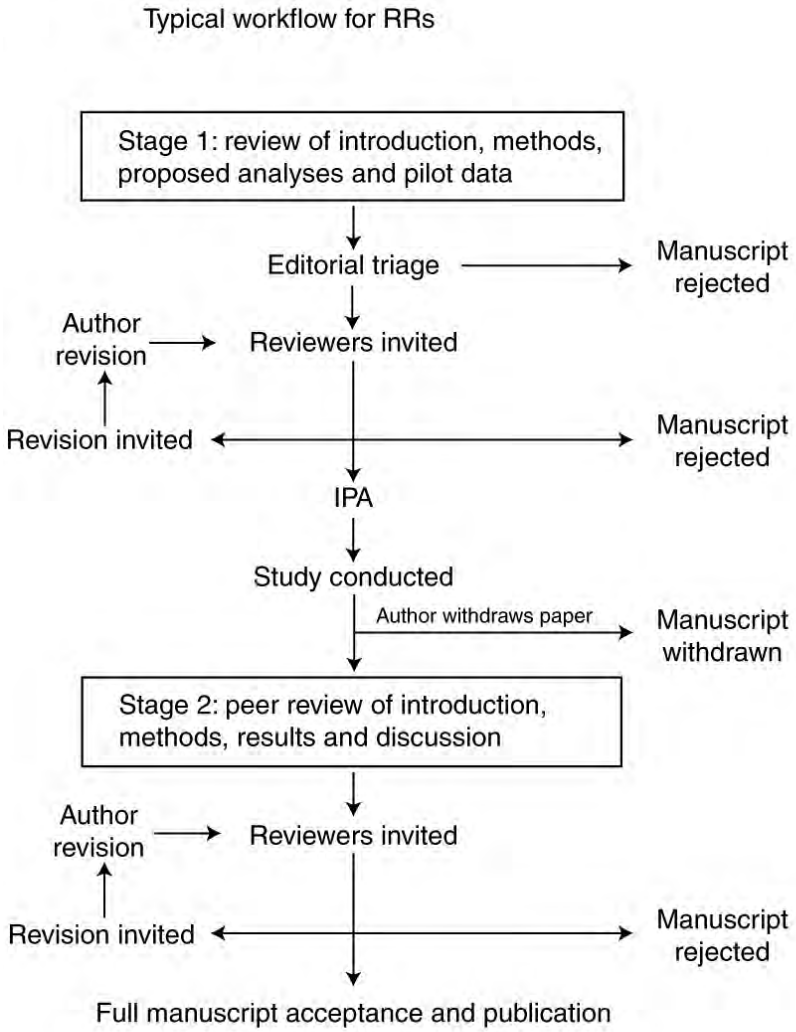
> Implémenter les retours reviewers

> A chaque round, mettre à jour le document sur l'archive ouverte

03

> Mener l'étude

> Attention à ne pas dévier de ce qui a été validé !



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Chambers & Tzavella (2021)

Le processus éditorial

04

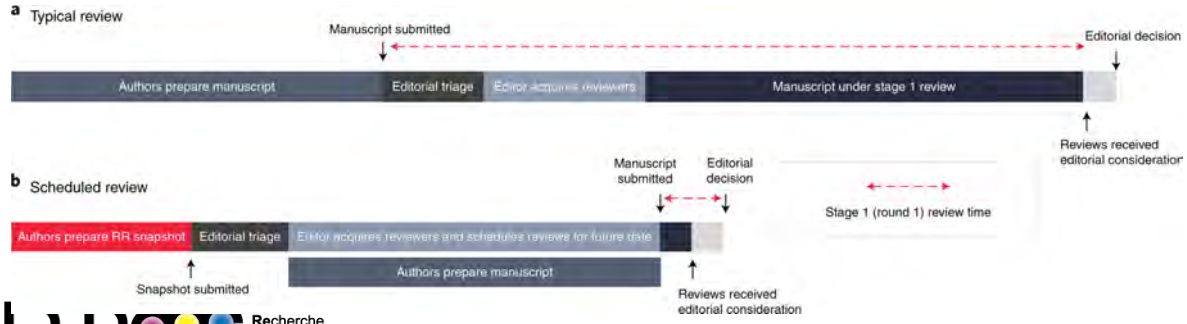
> Rédiger les résultats et la discussion, + passer l'introduction et la méthode au passé

> Attention à garder deux versions : une avec toutes les modifications visibles et une sans

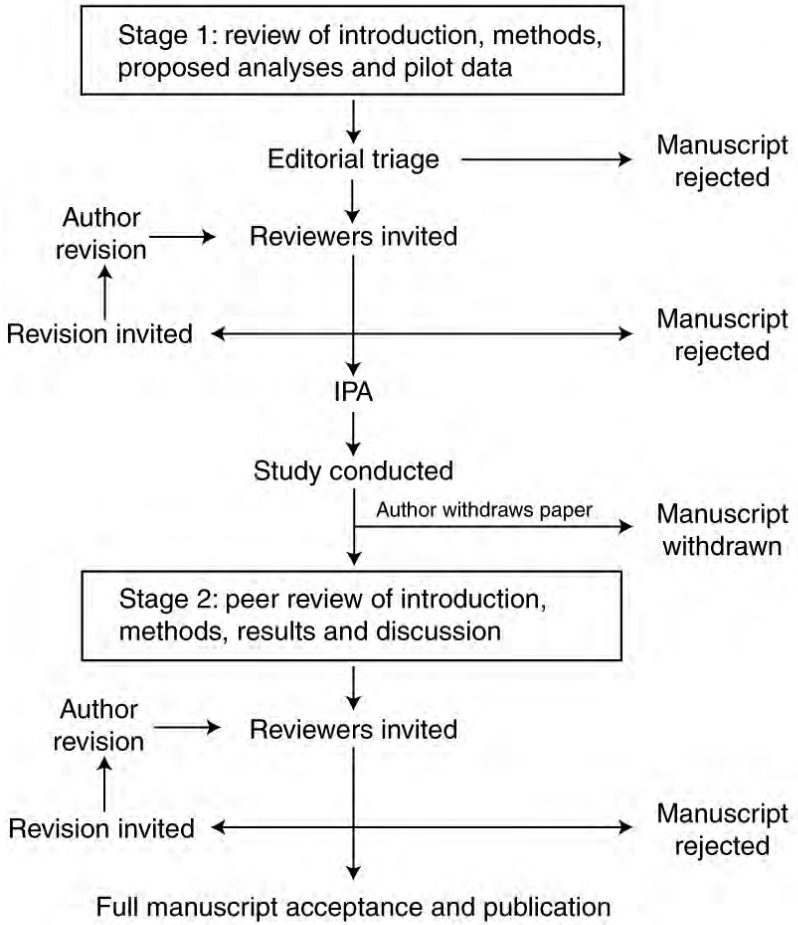
Programmatic RR

> De multiples Stage 2 découlent d'un seul Stage 1

Scheduled review



Typical workflow for RRs



Recherche Pluridisciplinaire Sport Santé Société

Chambers & Tzavella (2021)

Avantages et inconvénients

Publication assurée

Peu importe les résultats

Implémentation des retours reviewers

Quand l'étude a déjà été conduite, c'est compliqué...

Valorisation rapide des travaux

Le Stage 1 peut rentrer dans la liste des publications

Timeline très flexible

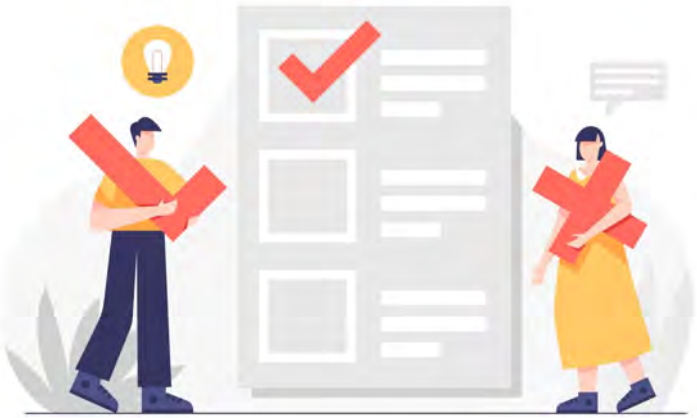
L'important, c'est de tenir l'éditeur informé

Requiert des hypothèses fortes

Peu adapté aux études exploratoires

Nécessite de pouvoir attendre avant la collecte de données

Attention aux contrats courts (post-doc)



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Idées reçues vs. réalité

Adapté de Chambers & Tzavella (2021)

Idées reçues	Réalité
Les RRs sont particulièrement exposés au risque de vol des idées	Aucun cas reporté. Les Stage 1 peuvent rester **sous embargo** jusqu'à l'acceptation du Stage 2. Dans le cas où une idée serait reprise et mise en œuvre par un reviewer avant les auteurs, cela n'aurait aucune incidence sur la publication du RR.
Les RR exigent un plan fixe qui ne peut être modifié	Les RR **peuvent être modifiés en cours** de route, en concertation avec l'éditeur associé (+ les reviewers), à condition que toutes les modifications soient clairement indiquées dans le Stage 2.
Les RR limitent la créativité et/ou les découvertes fortuites	Les RR peuvent inclurent des **analyses supplémentaires**, et la majorité le font.
Les RR ne conviennent pas aux jeunes chercheurs	L'IPA peut permettre de **gagner du temps et de réduire le stress**. La plupart des RR ont en fait un ECR en premier auteur.
Les RR ralentissent le rythme de la recherche	Même si le processus de reviewing des RR peut prendre plus de temps, le taux de rejet est plus faible (chez *Cortex*, **le taux de rejet est d'environ 10% à la première étape et de 0% à la deuxième, contre environ 90 % pour les articles classiques**). En revanche, les articles classiques sont souvent soumis à plusieurs revues. Les RR pourraient donc accélérer la découverte scientifique plutôt que de la freiner.

PCI Registered Reports

Free and transparent pre- and post-study recommendations across research fields

A COMMUNITY, NOT A JOURNAL ➤
PCI RR doesn't publish Registered Reports but instead manages peer review of Registered Report preprints across STEM, medicine, the social sciences and humanities

ESTABLISHED BENEFITS ➤
Rigorous and constructive **pre-study review** at a point in time where it helps the most, with **in-principle acceptance** to neutralise publication bias and reporting bias

TRUST ➤
Led by the architects of Registered Reports, with the review process managed by accredited recommenders

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Peer review independent of journals but endorsed by a growing list of journals that accept PCI RR recommendations

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TRANSPARENCY ➤
Recommended preprint remains citable on a preprint server, with peer reviews published under a DOI by PCI RR and reviewers having the option to sign

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ZERO COST ➤
PCI RR is a non-profit, non-commercial platform that is **free to use for all**, including authors, readers, and supporting journals

Journaux *PCI-RR* friendly vs. interested

Santé Société

- Addiction Research & Theory
- Advances in Cognitive Psychology
- Advances in Methods and Practices in Psychological Science
- Brain and Neuroscience Advances
- Cambridge Educational Research e-Journal
- Collabra: Psychology
- Communications in Kinesiology
- Cortex
- Experimental Psychology
- Games: Research and Practice
- Historical Biology
- Human Population Genetics and Genomics
- Imaging Neuroscience
- International Review of Social Psychology
- Journal for Reproducibility in Neuroscience
- Journal of Cognition
- NeuroImage: Reports
- Oxford Open Neuroscience
- Peer Community Journal
- PeerJ
- Personality Science
- Psychology of Consciousness: Theory, Research, and Practice
- Replication Research
- Royal Society Open Science
- Science and Medicine in Football
- Social Psychological Bulletin
- Studia Psychologica
- …

Retour d'expérience

Do traffic separation and urban nature influence affective and neural responses during active transport?

Adrien Fillon based on reviews by Paquito Bernard and Dylan Naceur

A recommendation of:

STAGE 1

Effect of Traffic Separation and Nature Integration on Affect and Cerebral Oxygenation During Active Transport: An Immersive Virtual Reality and Multi-Study Design

Layan Fessler, Ségolène M. R. Guérin, Yvonne N. Delevoye-Turrell

version 4

READ REPORT ON SERVER

Scheduled review

NeuroImage

Volume 230, 15 April 2021, 117597

Registered Report

Effects of Motor Tempo on Frontal Brain Activity: An *f*NIRS Study

Ségolène M.R. Guérin [a], Marion A. Vincent [a], Costas I. Karageorghis [b], Yvonne N. Delevoye-Turrell [a]

Programmatic RR

The interplay of music, movement, and culture on rhythm processing

Juan David Leongómez based on reviews by Anne Keitel and 1 anonymous reviewer

A recommendation of:

STAGE 1

Culture-Driven Neural Plasticity and Imprints of Body-Movement Pace on Musical Rhythm Processing

Ségolène M. R. Guérin, Emmanuel Coulon, Tomas Lenc, Rainer Polak, Peter E. Keller, Sylvie Nozaradan

version 2.1

READ REPORT ON SERVER

February 20 2026

Effects of Auditory Stimuli During Exhaustive Exercise on Cerebral Oxygenation and Psychophysical Responses

Ségolène M. R. Guérin, Costas I. Karageorghis, Marine R. Coeugnet, Marcelo Bigliassi, Yvonne N. Delevoye-Turrell

Check for updates

Author and Article Information

Imaging Neuroscience (2026)

https://doi.org/10.1162/IMAG.a.1166 **Article history**

Retour d'expérience

Study design template

Question	Hypothesis	Sampling plan	Analysis plan	Rationale for deciding the sensitivity of the test for confirming or disconfirming the hypothesis	Interpretation given different outcomes	Theory that could be shown wrong by the outcomes
Less prefrontal activation will be observed when participants exercise in silence or with an audiobook, when compared to when they exercise with music.	$\beta_{HbO2,mPFC}$ will be larger during the music condition vs. the audiobook and silence conditions.	$N = 30$ ($d = 0.64$; $\alpha = .02$; 1-$\beta = .90$)	Pairwise t tests	Small telescopes approach ($d_{SESOI} = 0.28$).	The hypothesis will be accepted if the statistical test is significant ($p < .020$) and the associated Cohen's $d > d_{SESOI}$.	Role of the mPFC in appraisal and expression of negative emotion as proposed by Etkin et al. (2011).
	$\beta_{HbO2,dlPFC}$ will be larger during the music condition vs. the audiobook and silence conditions.	$N = 9$ ($d = 1.38$; $\alpha = .02$; 1-$\beta = .90$)	Pairwise t tests	Small telescopes approach ($d_{SESOI} = 0.38$).		Karageorghis et al.'s (2017) Hypothesis B (see Figure 1).
Less parietal activation will be observed under conditions in which participants exercise in silence or with an audiobook, when compared to when they exercise with music.	$\beta_{HbO2,lPC}$ will be larger during the music condition vs. the audiobook and silence conditions.	$N = 9$ ($d = 1.37$; $\alpha = .02$; 1-$\beta = .90$)	Pairwise t tests	Small telescopes approach ($d_{SESOI} = 0.38$).	The hypothesis will be accepted if the statistical test is significant ($p < .020$) and the associated Cohen's $d > d_{SESOI}$.	Role of the parietal cortex to facilitate the selection of relevant signals proposed by Bigliassi (2021).

> Raccrocher chaque hypothèse à un rationnel théorique

> Une analyse de puissance statistique par hypothèse

> Smallest effect size of interest

Guérin et al. (2026)

Retour d'expérience

Attention aux seuils minimaux d'alpha et de puissance

Cortex

Statement of commitment: *Cortex* will automatically offer Stage 1 in-principle acceptance (IPA) to any quantitative Stage 1 RR within the journal's disciplinary scope that receives IPA at PCI RR, and will accept without further peer review any Stage 2 RR that has been recommended by PCI RR, subject to the manuscript meeting the applicable journal requirements concerning statistical thresholds, bias control, and formatting.

Disciplinary scope: Cognitive psychology, cognitive neuroscience, neuropsychology.

Word limits: Abstract: max 250 words.

Offered for qualitative research: No

Offered for quantitative research: Yes

Minimum required thresholds for pre-planned statistical evidence, where applicable: Minimum evidence thresholds differ depending upon whether the study uses normal participants only, or includes a neuropsychological participant sample (i.e., with formally-confirmed damage, disease, or divergence of the brain or nervous system).

Normal samples. For studies employing null hypothesis significance testing: power ≥ 0.90 and alpha ≤ .**02** (or equivalent sensitivity for different inference procedures) for all preregistered hypothesis tests. For studies employing Bayesian hypothesis testing, data collection until Bayes Factor (BF)>6 in favour of H1 or H0 for all preregistered hypotheses OR authors can specify a maximum feasible sample size at which data collection must cease regardless of the BF provided the sample is sufficiently large that inconclusive results at this sample size would be an important message for the field.

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Retour d'expérience

Outcome-neutral checks

> Contrôle négatif et/ou positif

3.4.3. *Outcome-neutral validation tests*

A negative control condition was included by placing two additional channels over the occipital brain region (Broadmann's area 17). This region is involved primarily in visual perception and so its activation should not differ in response to the experimental conditions. To confirm that similar hemodynamic responses of the primary visual cortex were observed regardless of the audio condition (H_4), two one-sided tests (TOSTs) were used (Lakens et al., 2018). In this procedure, the results of both *t* tests needed to reach significance in order for equivalence to be claimed. Statistically nonsignificant differences provide a means by which to confirm that observed mPFC, dlPFC, and parietal differences are related to the audio manipulations. TOSTs were computed using the TOSTER R package for paired-samples *t* tests (Lakens, 2017).

Guérin et al. (2026)

Manipulation Check. To assess whether the participants perceived differences across the environment–which is the active ingredient of our experiment–, participants will be asked to indicate their level of agreement with the following statements: "Environments 1 and 2 were different"; "Environments 1 and 3 were different"; "Environments 2 and 3 were different". Participants will be asked to answer on a scale ranging from 1 (*very strongly disagree*) to 9 (*very strongly agree*). If the score is strictly above 4 (i.e. 'slightly disagree'), any differences in the dependent variables across our conditions could be attributed to the perceived presence of these environmental features.

Fessler et al. (2025)

Positive Control. A participant's data set will excluded from the analyses if $z_{\mathrm{SNR,EEG}} < 1.96$ (i.e., $\alpha > .02$), which would indicate an absence of neural responses elicited by the rhythmic stimulus.

Guérin et al .(2024)

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Retour d'expérience

Analyses exploratoires

> La discussion doit rester centrer sur les analyses pré-enregistrées

3.4. Exploratory analyses

Through visual inspection, we noticed that HbO_2 began to increase just prior to initiation of the task (see Fig. 8). It is notable that the epoch used to compute $B_{HbO_2,i}$ (i.e., from 5 s to 10 s before the trial onset) coincided with when HbO_2 had already started to increase. To make $B_{HbO_2,i}$ more representative of the baseline level, additional analyses were applied for which $B_{HbO_2,i}$ was taken from 20 s to 10 s prior to trial onset. These findings are presented in the paragraphs that follow.

The RM ANOVA performed on the motor channels showed a significant main effect of motor tempo, $F(2, 30) = 7.04$, $p = 0.003$, $\eta_p^2 = 0.32$, with a smaller Δ_{HbO_2} in the 1200 ms ($M = 3.06$, $SD = 5.21$) than in the 300 ms ISI ($M = 6.74$, $SD = 6.65$, $d_z = 0.59$) and the 500 ms ISI conditions ($M = 5.94$, $SD = 6.05$, $d_z = 0.50$). Note that the effect size of both contrasts was larger than the required SESOI, which indicated that the effects were strong enough to be considered meaningful. None of the TOST procedures computed on the change score between (a) the simple and moderate tasks ($p_{upper} = 0.001$, $p_{lower} = 0.093$), (b) the simple and complex tasks ($p_{upper} = 0.005$, $p_{lower} = 0.097$), and (c) the moderate and complex tasks ($p_{upper} = 0.009$, $p_{lower} = 0.056$) were significant. Overall, these results indicate dissimilar effects of motor tempo over the motor region. A oneway RM ANOVA (Task Complexity [simple, moderate, complex]) was also computed but found to be nonsignificant ($p = 0.966$).

Guérin et al. (2021)

4.6. Exploratory analyses

4.6.1. Volitional exhaustion

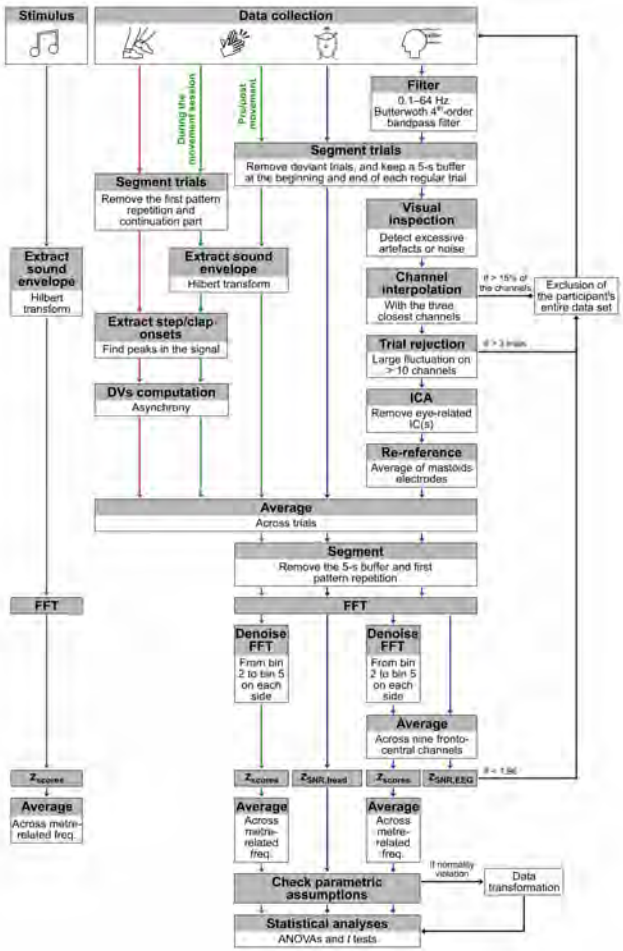
One outlier was corrected using a winsorization procedure (see Sullivan et al., 2021). The normality assumption was not met for the exercise duration ($p < .001$) and an ordered quantile normalization transformation (Peterson & Cavanaugh, 2020) was applied to remedy this. A one-way RM ANOVA was performed on exercise duration during the 5%-above-VT1 phase, and there was no significant effect of condition, $F(2, 70) = 0.28$, $p = .753$, $\eta_p^2 = .01$ (see Fig. 10).

4.6.2. Delta value

Considering the pattern displayed in Figure 9, it could be that it is actually Hypothesis B of Karageorghis et al. (2017) that is verified, at least at the level of the mPFC. To test this, the delta value between the baseline and the end of the 5%-above-VT-phase, averaged over a 5 s window, was computed for the mPFC. Outliers ($k = 3$) were corrected using a winsorization procedure (Sullivan et al., 2021). The normality assumption was not met for the delta value ($p < .001$) and proved resistant to various transformations. Consequently, the nonparametric Friedman rank sum test was employed, which proved nonsignificant, χ^2 (2) = 1.35, $p = .510$, $W = .02$.

Guérin et al. (2026)

Description (très) détaillée



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Retour d'expérience

PCI-RR friendly journals

> Trois jours entre la soumission et l'acceptance

Imaging Neuroscience

Faire de la recherche de meilleure qualité

> Intégration des suggestions méthodologiques des reviewers

Reviewed by Paquito Bernard, 13 Jan 2026

Thank you for the opportunity to review this second submission and congratulations for this updated manuscript. Major updates are very clearly and convincingly argued. This manuscript is coherent and well-argued. In my perspective, the introduction section is more 'evidence based' and the theoretical assumptions are solid. Also, the modification of experimental conditions will help this research team to discuss the potential ecological validity of their future findings.

Reviewed by Dylan Naceur, 20 Jan 2026

This registered report represents a high quality, carefully designed, and theoretically well grounded piece of work! The authors have clearly invested substantial effort in refining the protocol, and it is particularly commendable that they have thoughtfully addressed previous comments, in several instances going beyond what was initially recommended.

Although I approach this work from a perspective that is relatively naive with respect to the social psychology literature, I found the manuscript clear, well-argued, and highly convincing. Overall, the manuscript succeeds in motivating the proposed research questions and inspires confidence in the feasibility and scientific value of the project.

Few brief thoughts :

While the present protocol already includes a rich set of measures, with self-reported affective and socio-cognitive variables, neurophysiological indices and behaviora data, it may be useful to further clarify how evidence derived from these different sources will be articulated in the interpretation of the results.

In particular, given the functional complexity of dlPFC activity and its involvement in multiple cognitive and affective processes, it would be helpful to specify how converging or diverging patterns across neurophysiological, self-reported, and other measures will be integrated. Clarifying this point could facilitate a more explicit triangulation of evidence.

(Very optional) : Relatedly, although the study does not explicitly aim to assess actual behavior change, the authors may wish to clarify whether any form of follow-up assessment of participants real-world behaviors (e.g., experience sampling, short-term self-report or delayed questionnaires) is envisaged, either within the present project or in subsequent work.

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Lectures intéressantes

- **Chambers, C. D., & Tzavella, L. (2022).** The past, present and future of registered reports. *Nature Human Behaviour, 6*(1), 29–42. https://doi.org/10.1038/s41562-021-01193-7

- **Henderson, E. L., & Chambers, C. D. (2022).** Ten simple rules for writing a Registered Report. *PLoS Computational Biology, 18*(10), Article e1010571. https://doi.org/10.1371/journal.pcbi.1010571

- **Oshiro, B., Alley, L. J., & Flake, J. K. (2024).** Want to try a registered report? Here are our lessons learned. *Canadian Journal of Experimental Psychology,* 78(4), 205–209. https://doi.org/10.1037/cep0000338

- **Boisgontier, M. (2020).** Les Registered Reports au secours de la science. *ACAPS*. https://www.acaps.asso.fr/les-registered-reports-au-secours-de-la-science/#prettyPhoto

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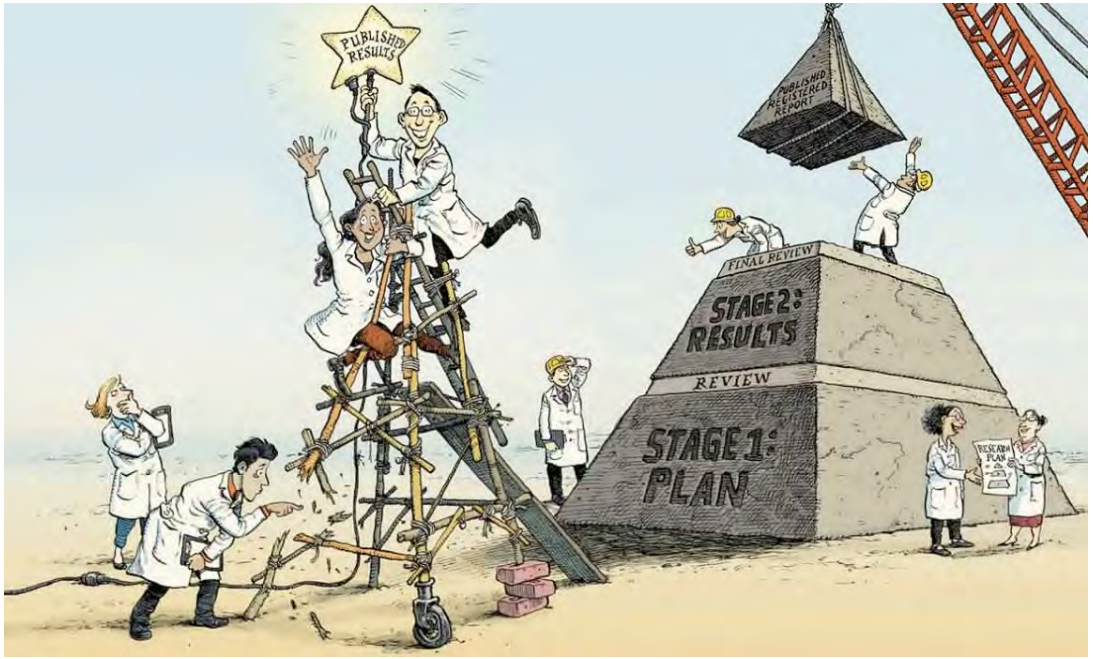


Take-home messages

1. Rend l'évaluation scientifique indépendante des résultats
2. Permet de publier des résultats parfois modestes dans de grands journaux
3. Renforce la transparence de la recherche et la qualité des études

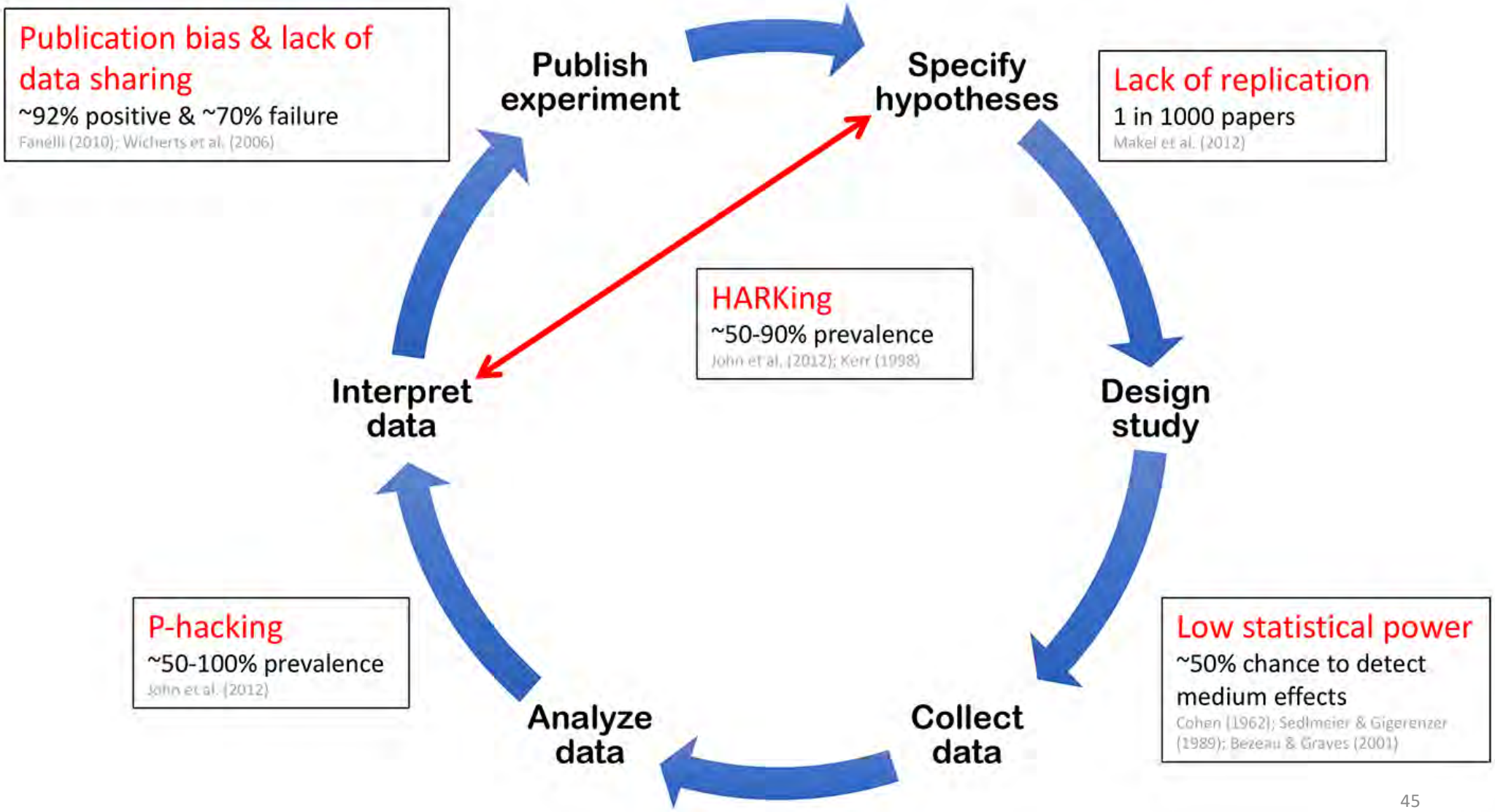
Les registered reports

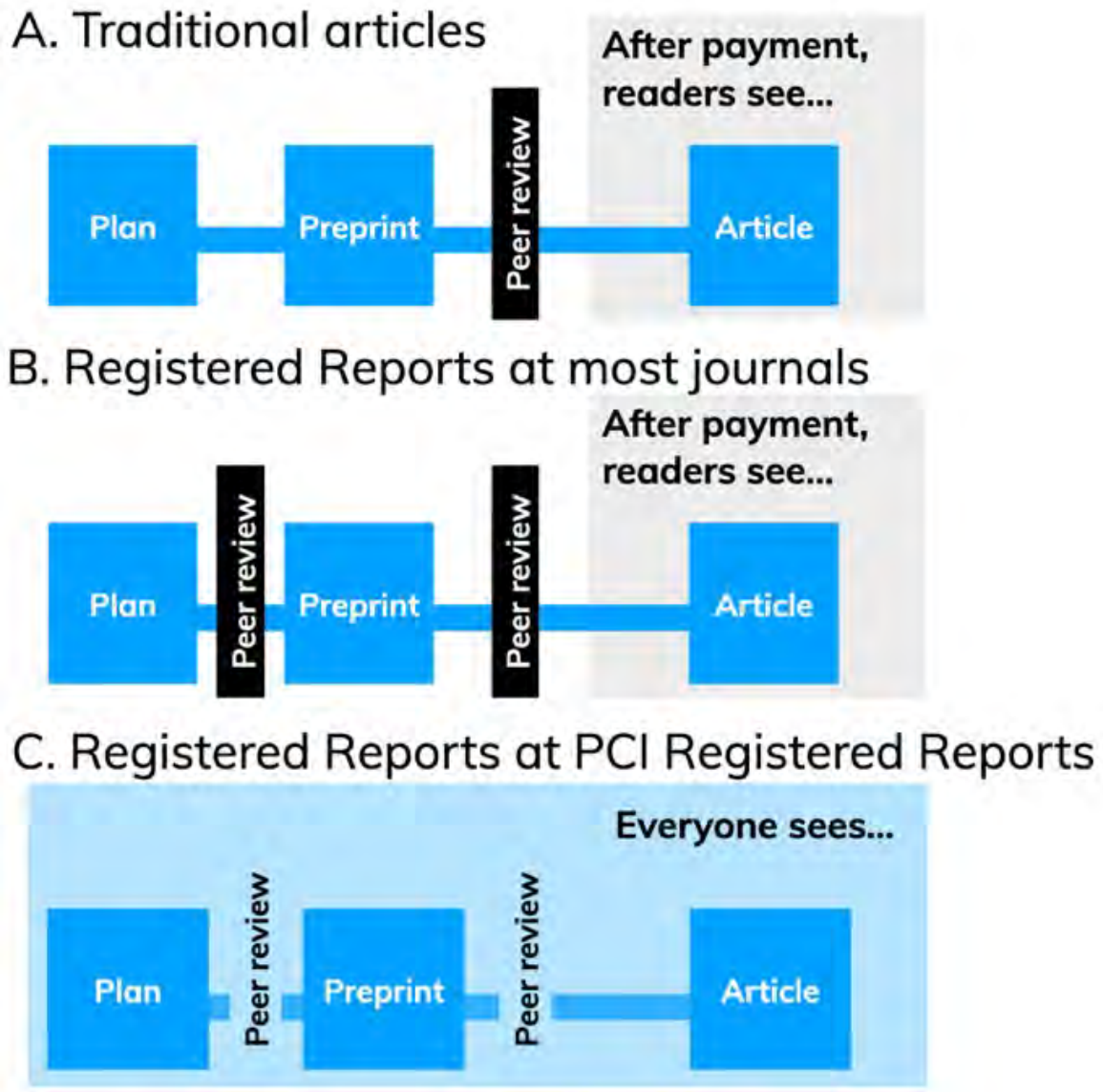
Anatomie d'un format de publication

URePSSS Unité de Recherche Pluridisciplinaire Sport Santé Société

URePSSS ulco Université Littoral Côte d'Opale

Ségolène M. R. Guérin | segolene.guerin@univ-littoral.fr


Publication bias & lack of data sharing
~92% positive & ~70% failure
Fanelli (2010); Wicherts et al. (2006)
Publish experiment
Specify hypotheses
Lack of replication
1 in 1000 papers
Makel et al. (2012)
HARKing
~50-90% prevalence
John et al. (2012); Kerr (1998)
Interpret data
Design study
P-hacking
~50-100% prevalence
John et al. (2012)
Analyze data
Collect data
Low statistical power
~50% chance to detect medium effects
Cohen (1962); Sedlmeier & Gigerenzer (1989); Bezeau & Graves (2001)


A. Traditional articles
After payment, readers see...
Plan
Preprint
Peer review
Article
B. Registered Reports at most journals
After payment, readers see...
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Preprint
Peer review
Article
C. Registered Reports at PCI Registered Reports
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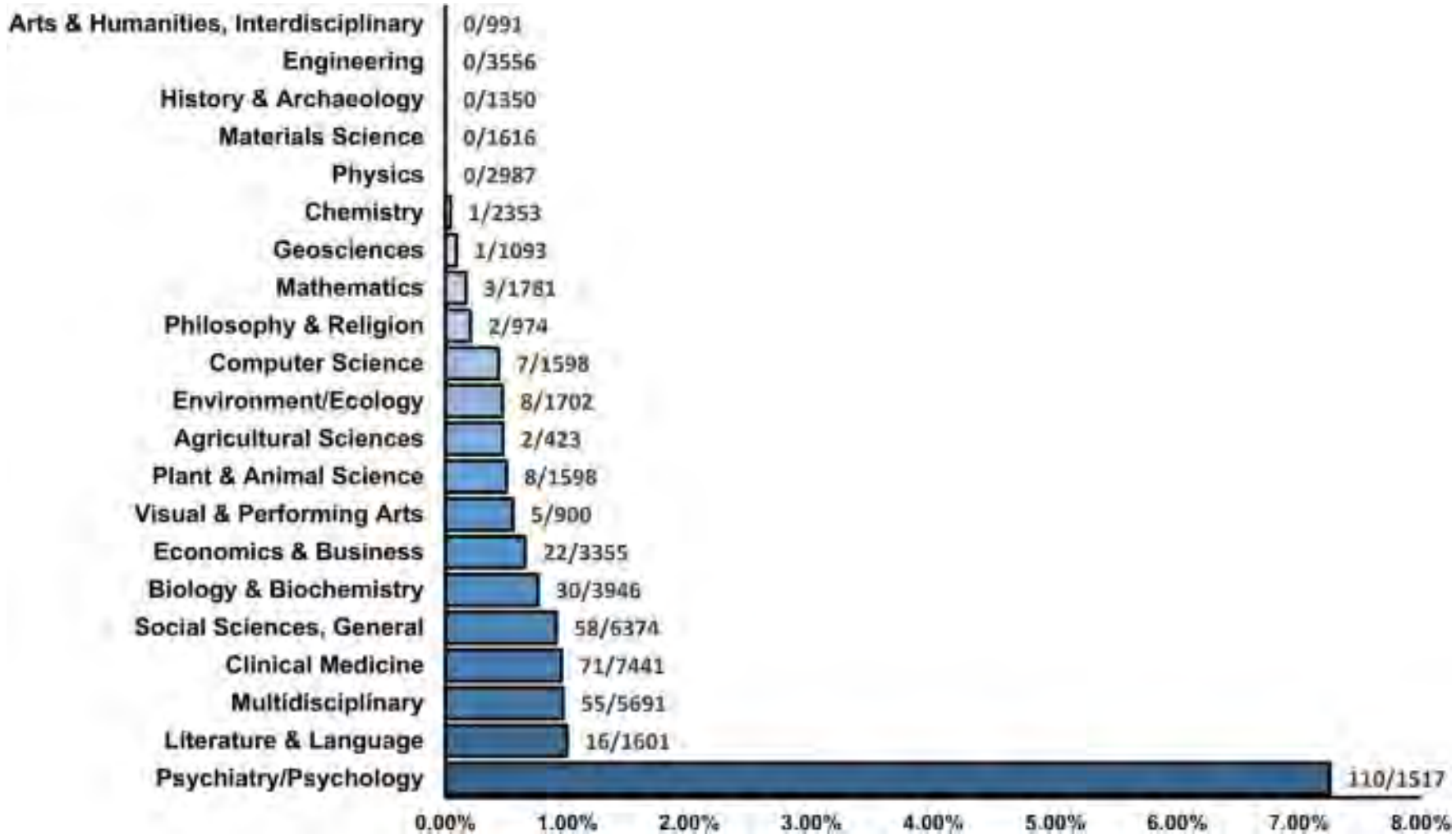

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Lin et al. (2024)