

Dr. Marcel AG van der Heyden Department of Medical Physiology

Study, Teach, Advise on Research Integrity in Life Sciences
UMC Utrecht

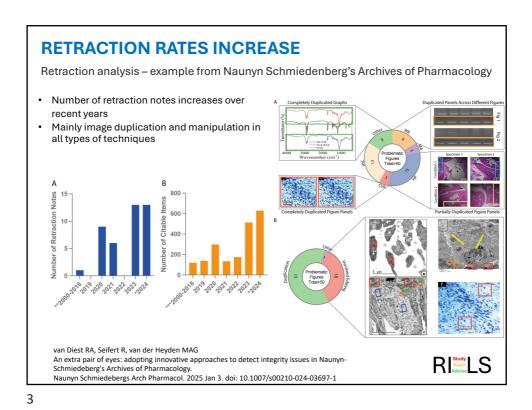




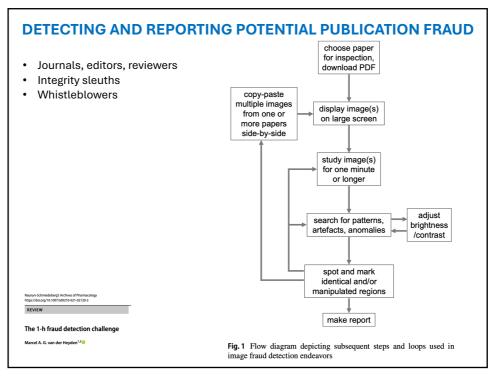


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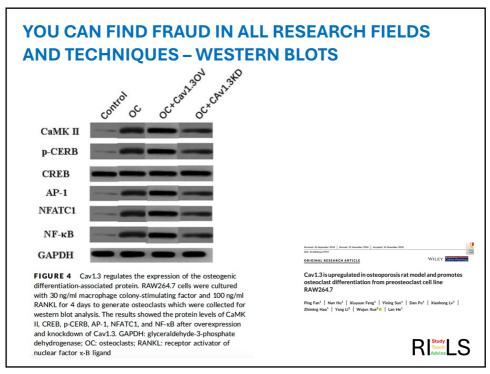


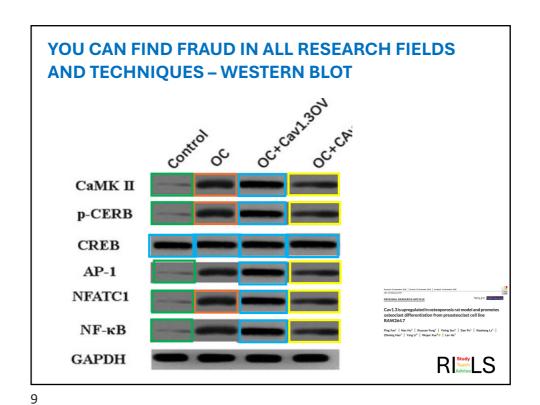
CASES IN THE LAYMAN PRESS AFFECT CONFIDENCE IN SCIENCE here, a number of cases on images Table 1 Examples of fraud cases, including image forgery, covered in the layman media Country of origin Unmaskeda Research field Type of datab Marion Brach Hematology Northern blot Woo-Suk Hwang South-Korea 2005 Stem cells Histology Luk van Parijs Western blot, flow cytometry USA 2005 Immunology Jon Sudbø 2006 Cancer biology Norway Histology Dipak Das USA 2012 Cardiovascular Western blot Haruko Obokata 2014 Stem cells DNA gel, histology Piero Anversa USA 2015 Stem cells Western blot, histology Oona Lönnstedt Sweden 2017 Marine biology Specimen photographs ^aIn many cases, suspicions have been raised in the field earlier ^bThis summary is not intended to be comprehensive $van\,der\,Heyden\,MAG.\,The\,1-h\,fraud\,detection\,challenge..\,Naunyn\,Schmiedebergs\,Arch\,Pharmacol.\,2021;394:1633-1640$ deVolkskrant WETENSCHAP Opnieuw geval van fraude in Science trekt wetenschappelijk artikel Ronald Plasterk terug wetenschap Het toonaangevende vakblad *Science* heeft een dertien jaar oud artikel, geschreven door onder anderen Ronald Plasterk, teruggetrokken vanwege dubbelingen in gebruikte afbeeldingen.











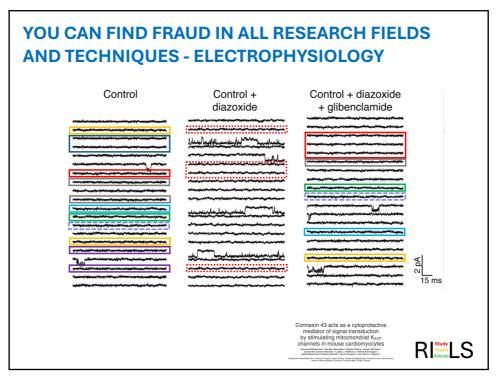
YOU CAN FIND FRAUD IN ALL RESEARCH FIELDS
AND TECHNIQUES - ELECTROPHYSIOLOGY

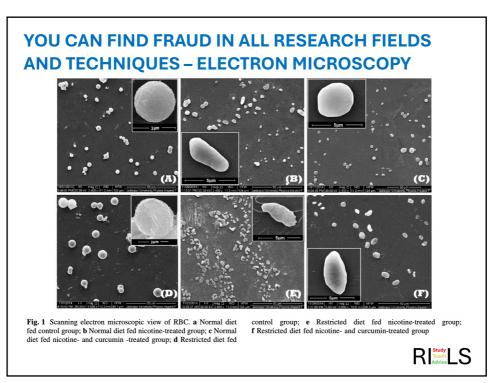
Control

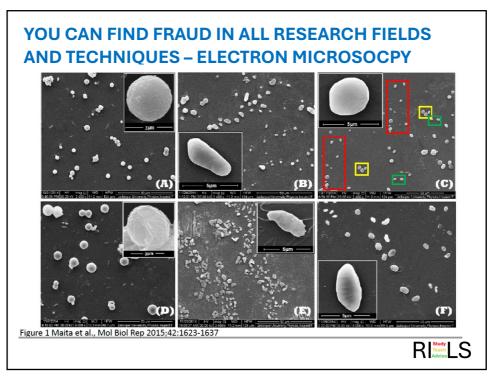
Control + diazoxide + glibenclamide

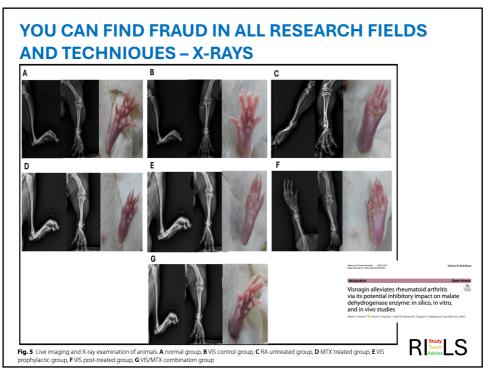
+ glibenclamide

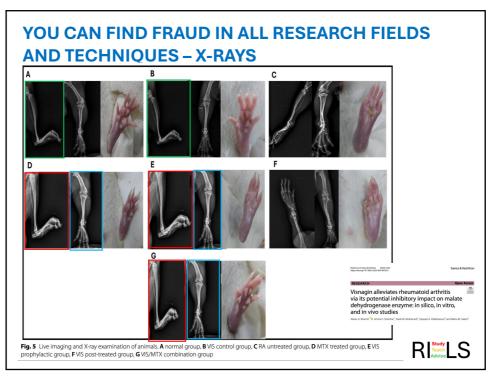
Consent 43 sts as expectation
by stratistics preconcided Key

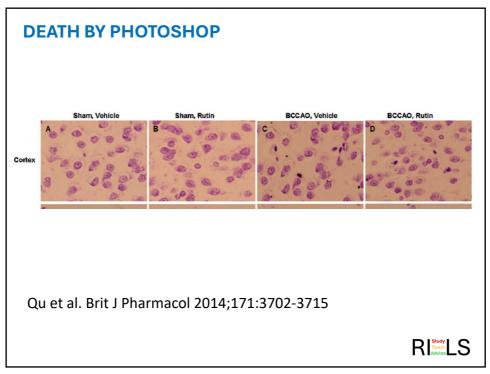


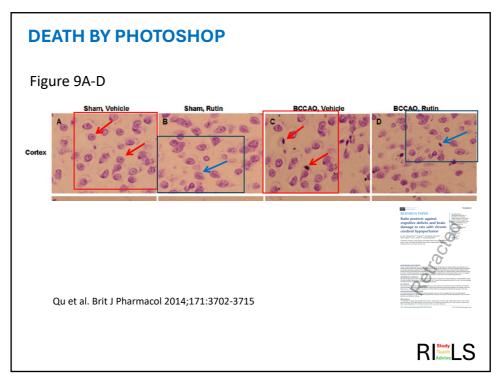


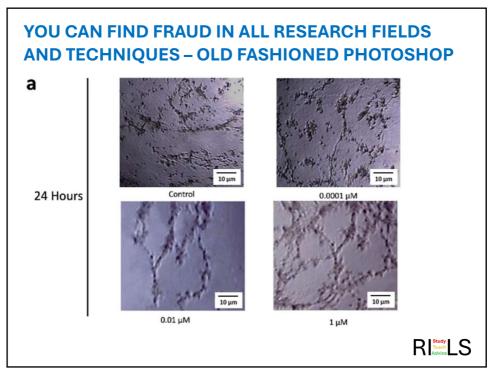


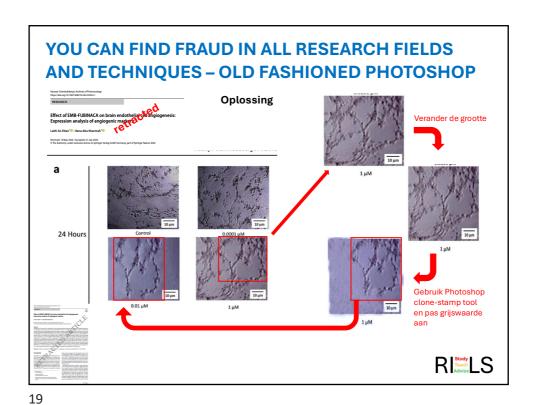












YOU CAN FIND FRAUD IN ALL RESEARCH FIELDS
AND TECHNIQUES – HISTOLOGY
Advanced manipulation of histochemistry

(a) (b) (c)

(a) (c)

Fig. 7 Skin histology of a normal skin, b IMQ-treated skin, c IMQ almond oil-treated skin, d IMQ blank NE-treated skin, and e IMQ-optimized MTX NE-treated skin

Proleopment and evaluation of nethorizeate-loaded name of pioniasis.

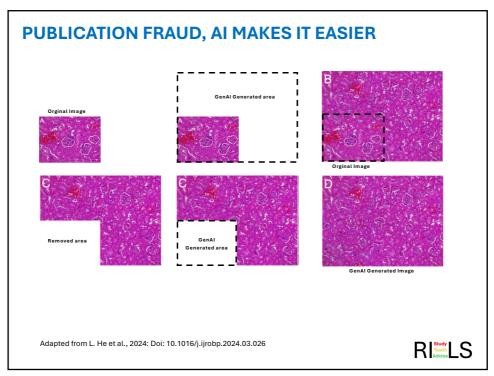
Research FIELDS

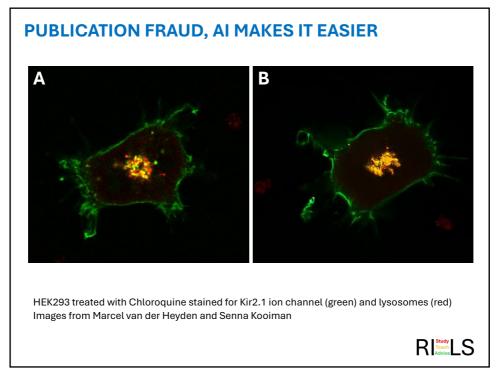
AND TECHNIQUES – HISTOLOGY

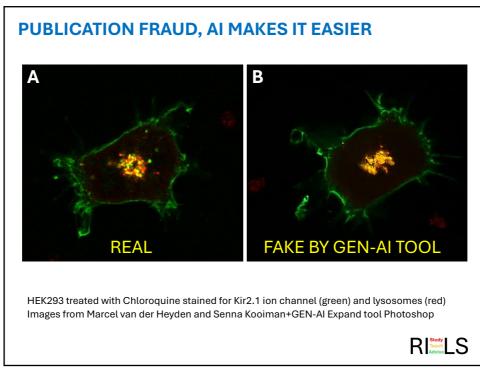
Advanced manipulation of histochemistry

Fig. 7 Skin histology of a normal skin, b IMQ-treated skin, c IMQ almond oil-treated skin, d IMQ blank NE-treated skin, and e IMQ-optimized MTX NE-treated skin

Commutation for topical treatment of pioniasis.



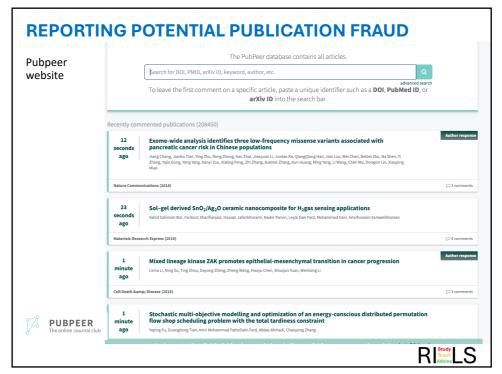


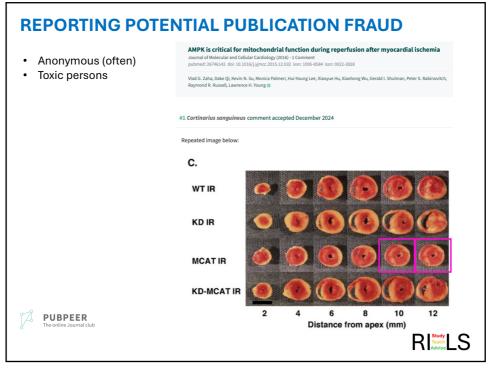


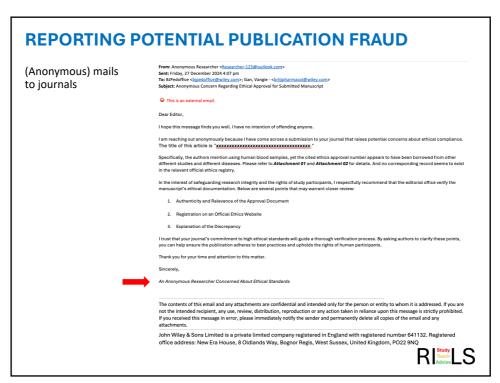
CAN AND SHOULD YOU REPORT AND HOW?

RI Study Teach Advise LS



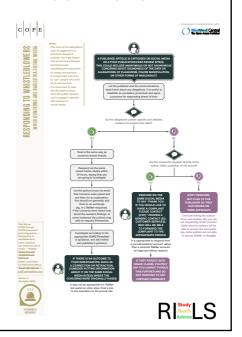






JOURNAL ACTIONS AND COPE REGULATIONS

- Genuine journals are associated with COPE (Committee of Publication Ethics)
- Most publishers have an ethics department
- Many journals have integrity advisors on their editorial boards
- They need to start an investigation in
- response to an accusation In a full investigation, authors will be asked for explanations
- The associated research institute may be informed



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THANK YOU!



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