The Plague in Scientific Publishing

Mu Yang, Ph.D.

Assistant Professor of Neurobiology and Psychiatry, Columbia University Medical Center

Sleuth since 2020

About me

- Ph.D.: University of Hawaii (rodent models of anxiety, fear, stress)
- Postdoc: NIH (Autism mouse models)
- Assistant professor: UC Davis MIND Institute (Autism mouse models)

**dropped off the chasing tenure game*

- Core Director/Assistant professor: 2016-present Columbia
- Co-authored 60+ research articles. Citation count ~8700

Topics

- **The first case**: Domenico Pratico (Temple University)
- **The biggest case**: Eliezer Masliah (UCSD, NIA)
- **Current focuses**:
  - Targeting “papermills”
  - Problematic journals
  - Fighting unjust “Corrections”
- **What can you do?**: Open dialogues on the “publish or perish” toxic culture.

In another word....

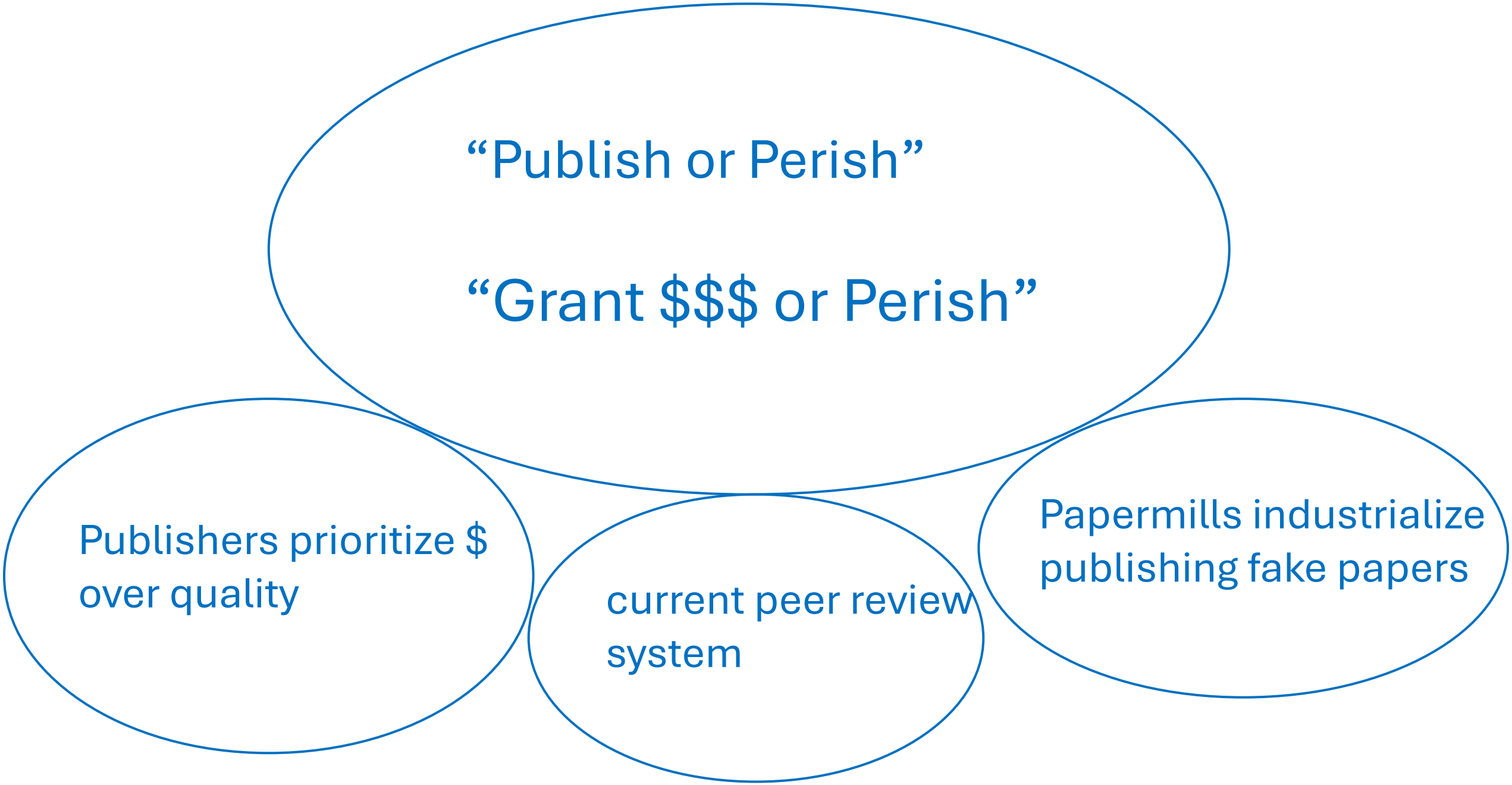
- Personal stories
- Big cases
- Sleuth psychology
- Publish or Perish, the f***
- Capitalism sucks
- Nobody is immune
- Systemic issues
- Power to the little people

Retractions caused

Total: ~150 since 2022

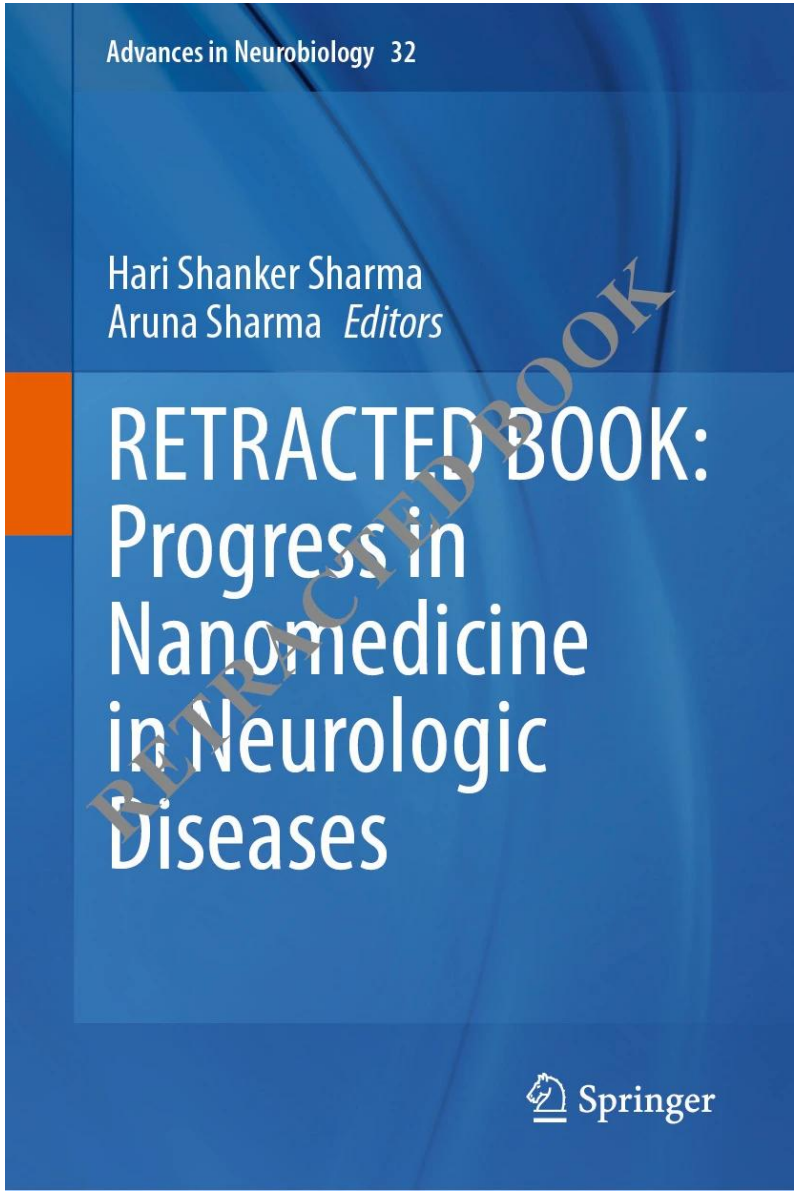
2020-2022: **1**

2025: **14**


“Publish or Perish”
“Grant $$$ or Perish”
Publishers prioritize $ over quality
current peer review system
Papermills industrialize publishing fake papers

"Go ahead. Don't think of it as plagiarism, think of it as an homage."

Notable case: An entire book retracted



Notable case: “Batch” retractions

Neuroscience journal retracts eight articles for image distortion

Mu Yang

Elsevier’s *Journal of Chemical Neuroanatomy* has retracted eight articles for image manipulation and overlap, with more on the way, according to the sleuth who notified the publication of the issues.

Each retraction notice credits an “anonymous reader” with having raised concerns about manipulated or duplicated images, with the journal’s editor in chief determining a retraction was warranted.

That anonymous reader was Mu Yang, an assistant professor of neurobiology at Columbia University, in New York City, who started emailing the journal about problematic papers in January 2023.

On May 16th, the journal notified Yang of the following retractions:

- “Exercise ameliorates hippocampal damage induced by Wi-Fi radiation; a biochemical, histological, and immunohistochemical study,” [2023]
- “Neuroprotective potential of Ginkgo biloba on alteration of rat cerebellum following prenatal exposure to cyclophosphamide,” [2023]
- “The effects of myricitrin and chebulinic acid on the rat hippocampus exposed to gamma radiation: A stereological, histochemical and biochemical study,” [2023]
- “TGN020 application against aquaporin 4 improved multiple sclerosis by

My first case

February 2020

COLUMBIA UNIVERSITY MEDICAL CENTER

Taub Institute for Research on Alzheimer's Disease & the Aging Brain

Alzheimer's Disease Research Center

Domenico Praticò, MD

Professor of Pharmacology, Microbiology and Immunology and Director of Alzheimer's Center at Temple University

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"Endosomal cargo sorting dysfunction in Alzheimer's disease pathogenesis: therapeutic implications"

Wednesday, February 5th, 2020
12:00PM – 1:00PM
Taub Conference Rooms (P&S 12-460)
Host: [redacted]
For further information: 305-1583

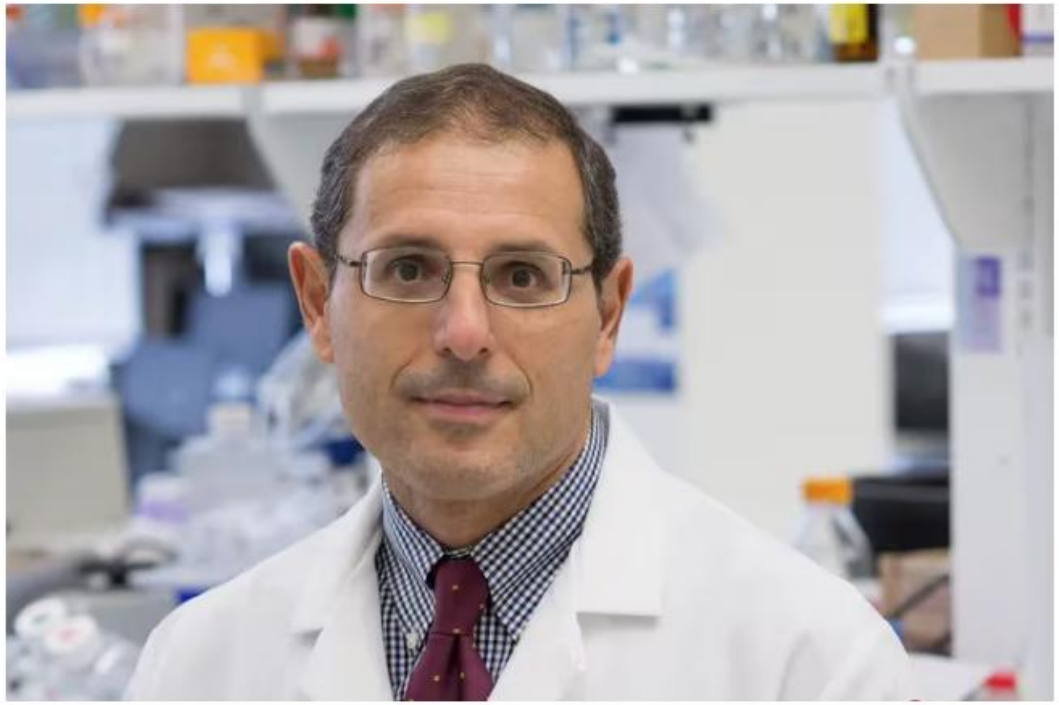
The Philadelphia Inquirer

June 2024

NEWSLETTERS > MORNING

Temple Alzheimer's studies under scrutiny | Morning Newsletter

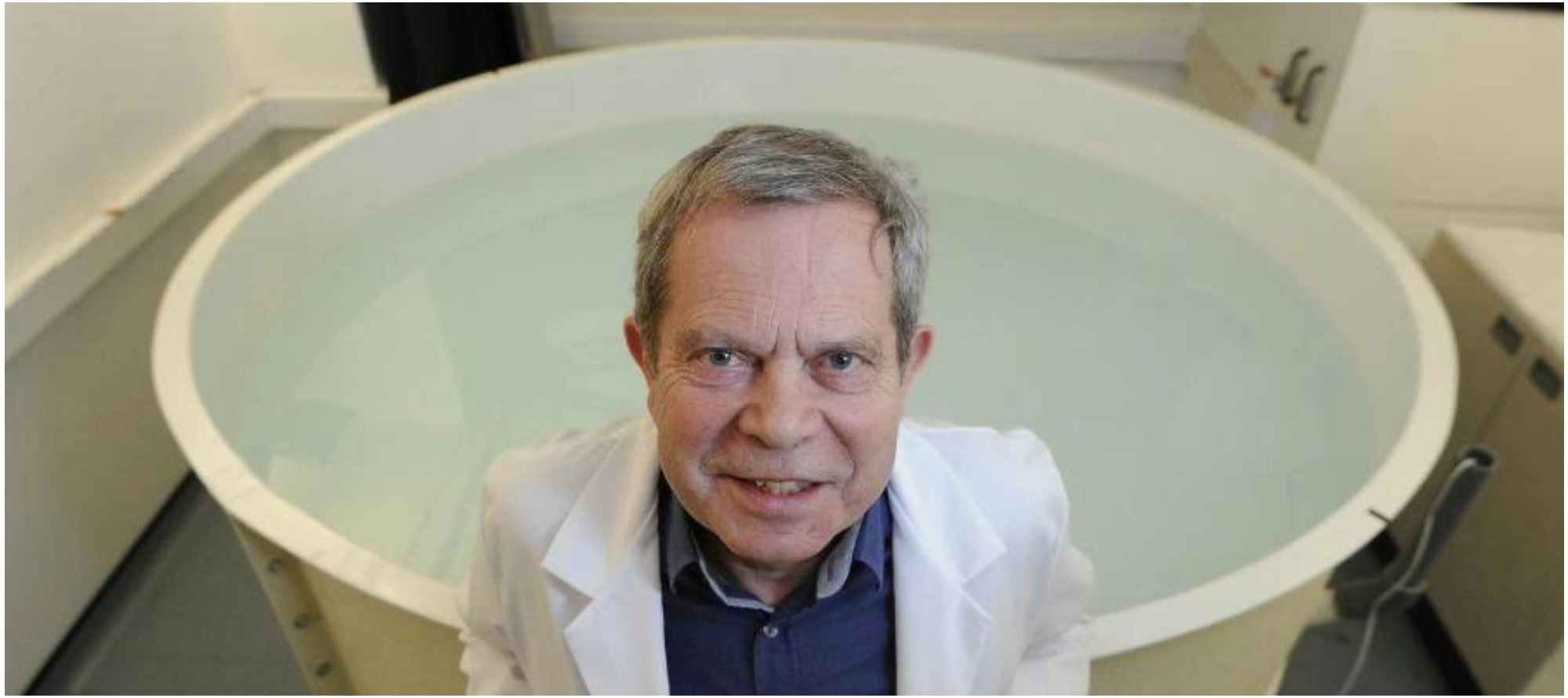
How Dry January impacts your wallet



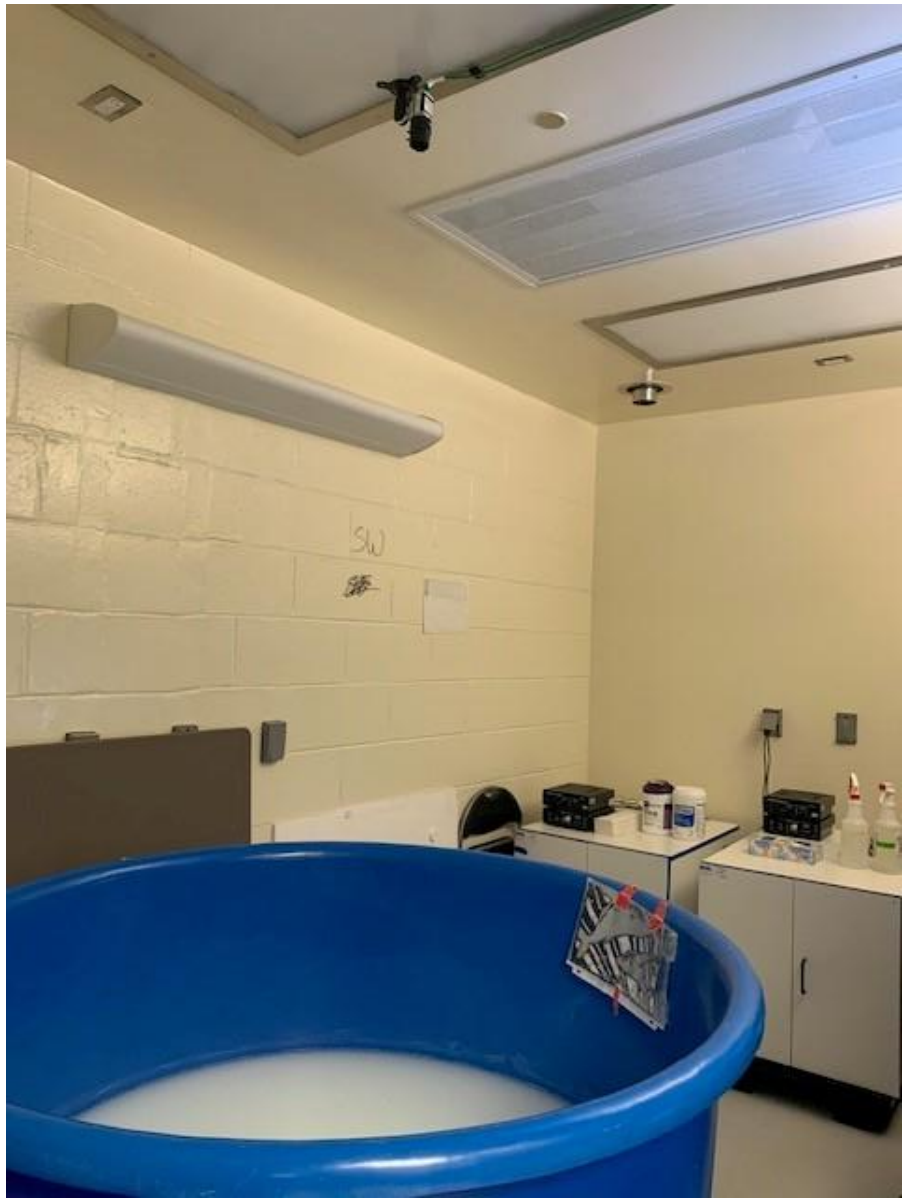
Domenico Praticò is a professor in the departments of pharmacology and microbiology and the Center for Translational Medicine at Lewis Katz School of Medicine at Temple University.

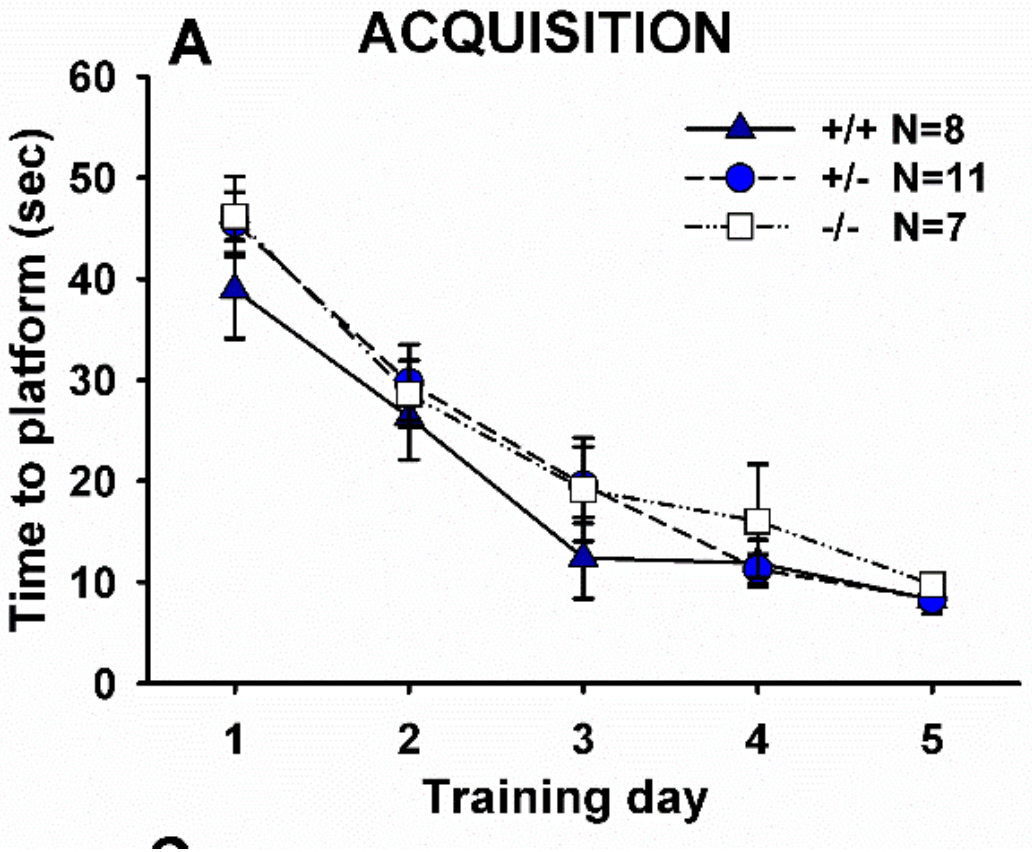
Courtesy of Lewis Katz School of Medicine at Temple University

Dr. Richard Morris and Morris water maze

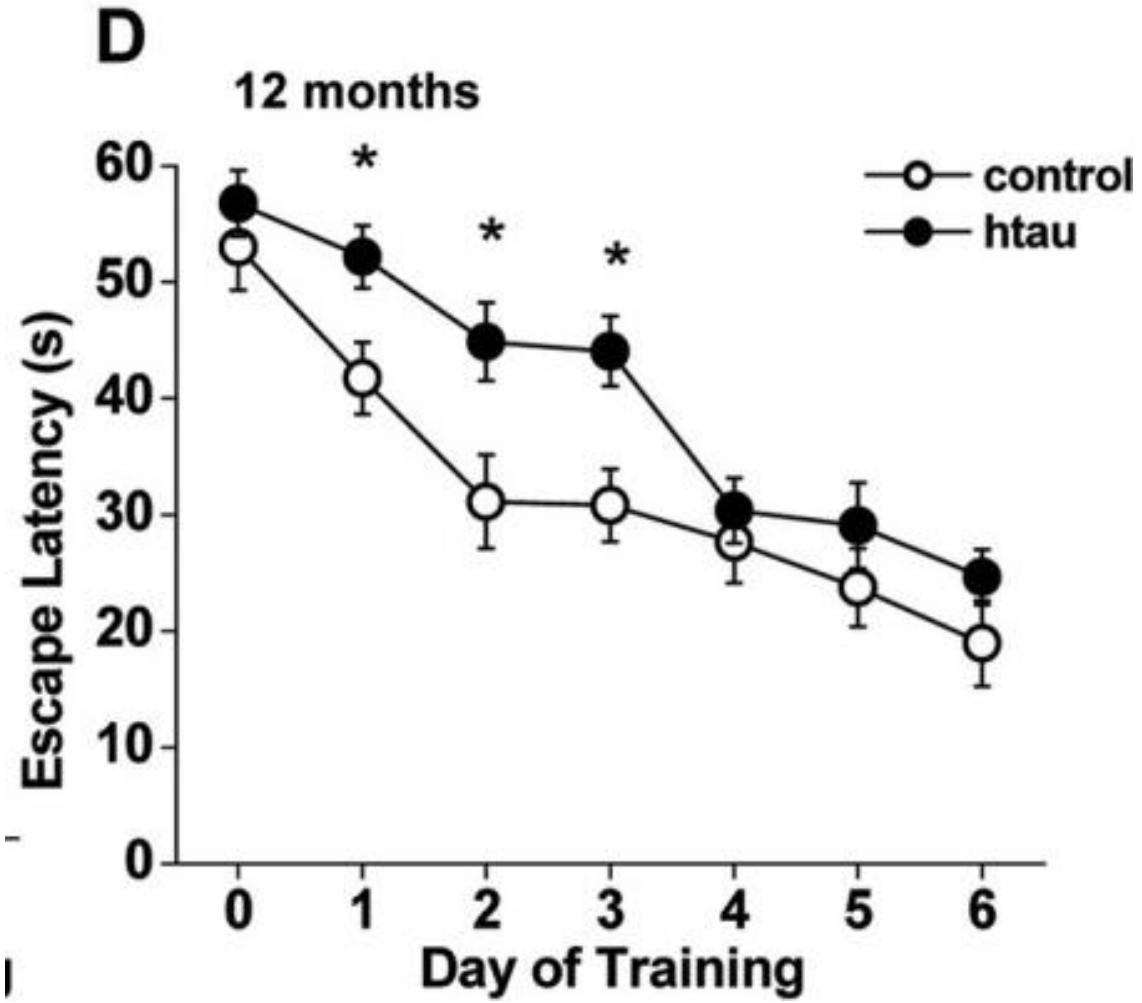


Morris water maze test for spatial memory

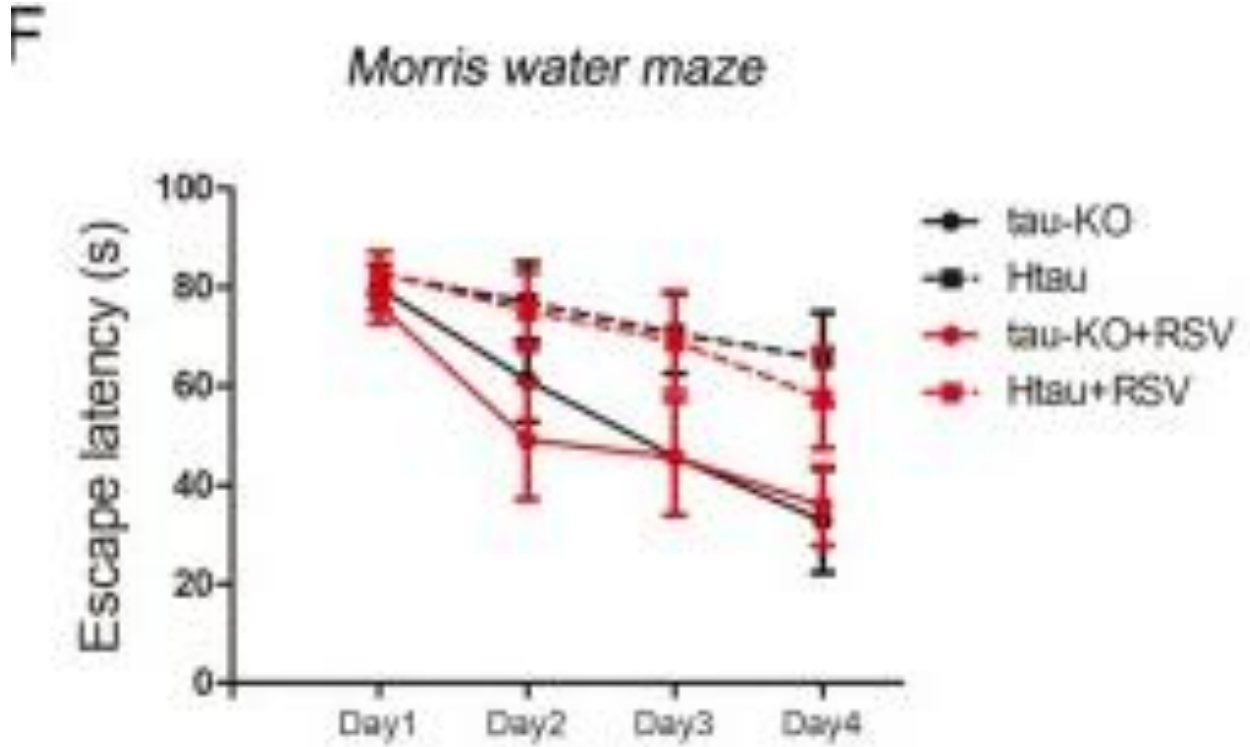




Yang et al., 2012



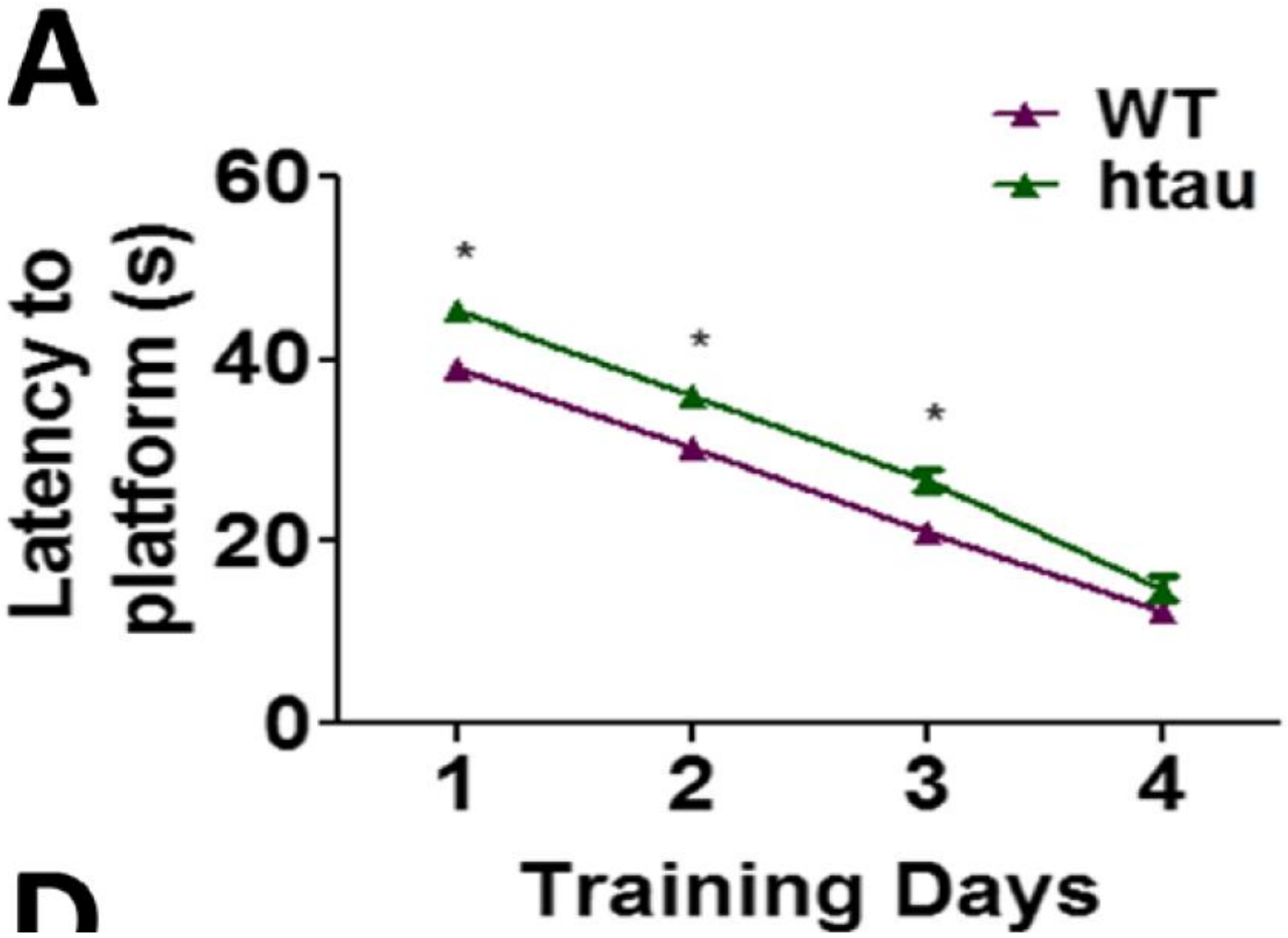
Polydoro et al, 2009



Qian et al, 2018

RETRACTED: Giannopoulos and Pratico, 2018. *Molecular Neurobiology*

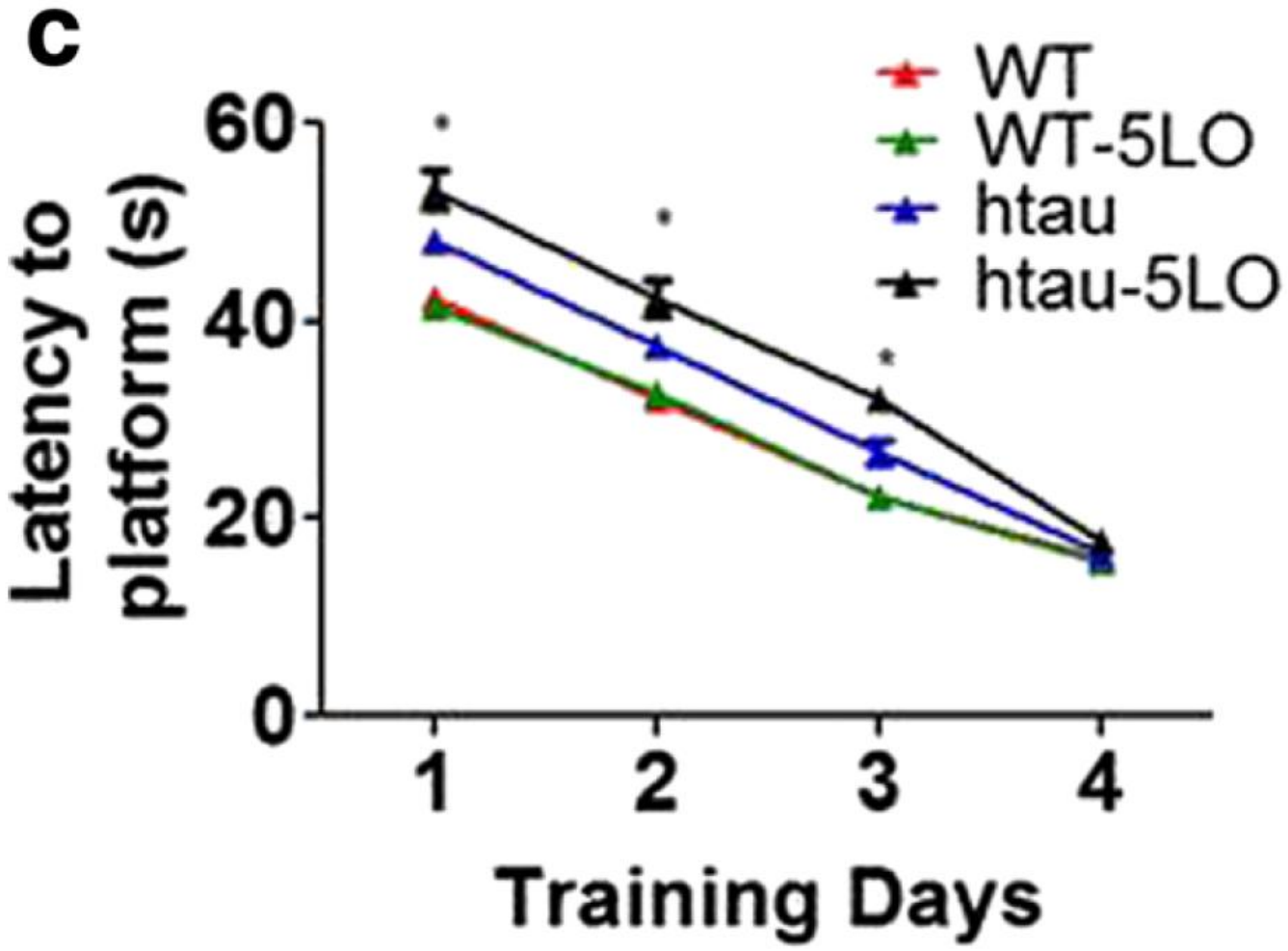
"Once again, the watermaze data show a striking linear pattern



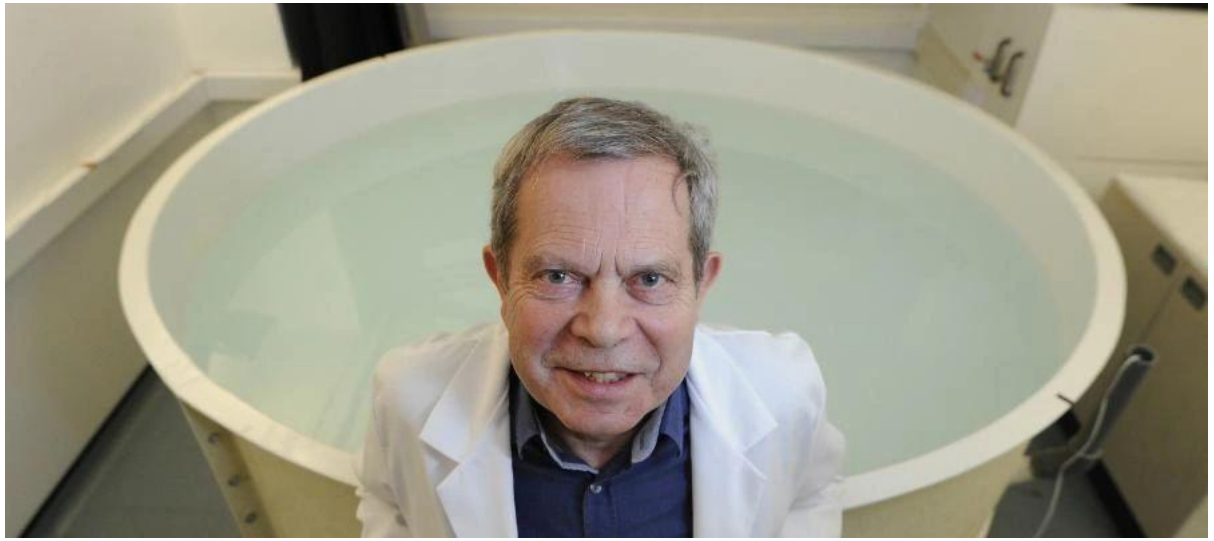
- Very old
- Both sexes
- Mixed background (recessive RD mutations)
- N=10/group
- Mice are not natural swimmers

RETRACTED Giannopoulos and Pratico., 2018. *Molecular Neurobiology*

"Once again, the latency to escape declines in an almost exactly linear fashion in all groups over days 1-3" --- Richard Morris

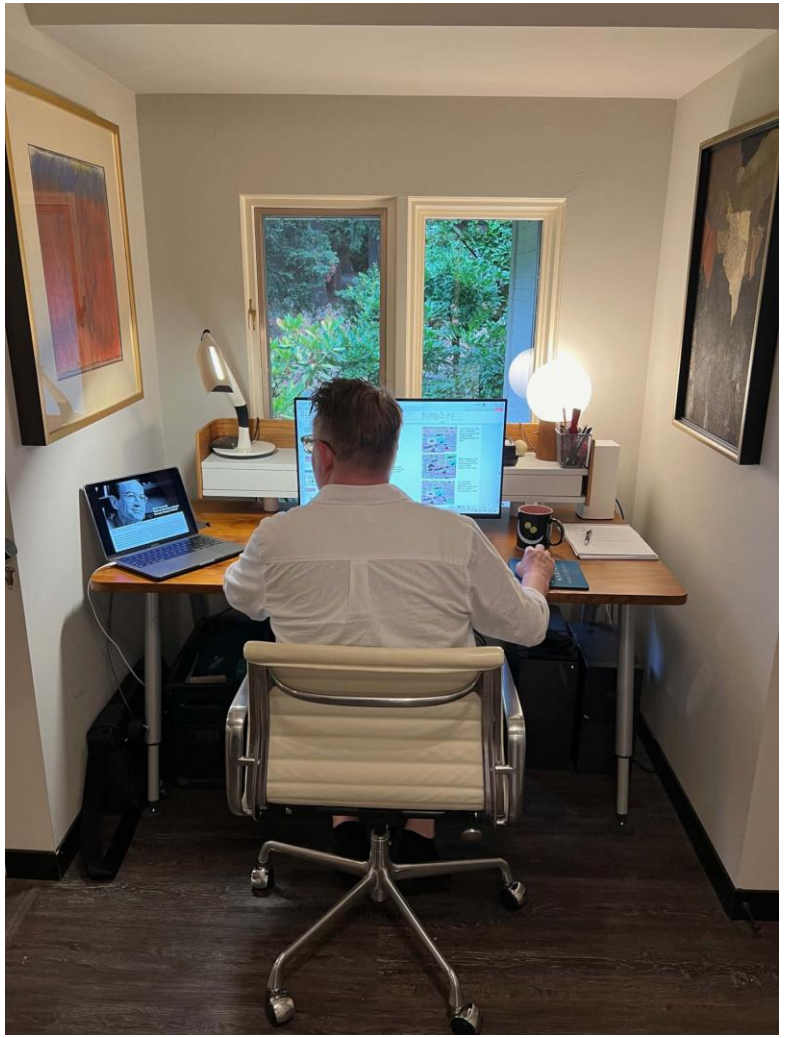


“…..indeed, they do require a certain “suspension of disbelief”. Which is how the British diplomatic service describes things of which don’t believe a single word!” ---- Richard Morris



Completely stone-walled by Office for Research Integrity (ORI) and journal EICs

The master sleuths who helped to push the case forward (Dr. Elisabeth Bik, “Cheshire” and many others)



Images often re-used to indicate different experimental conditions

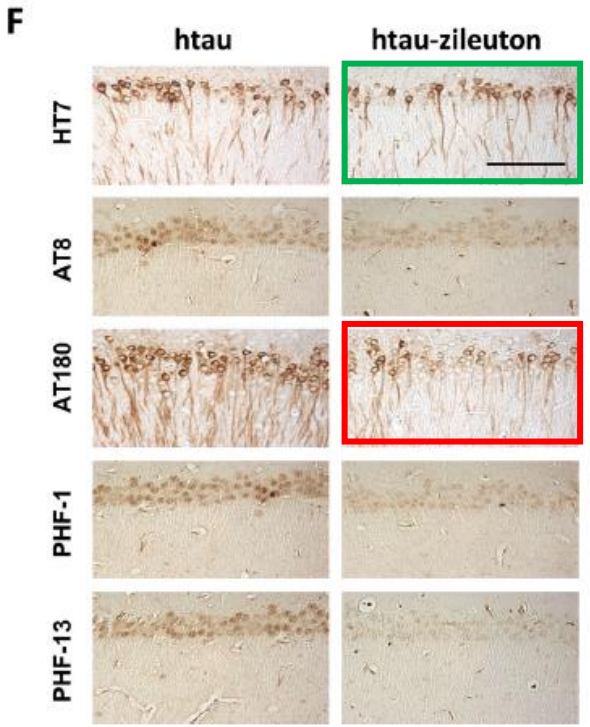
Molecular Neurobiology (2019) 56:1211–1220
https://doi.org/10.1007/s12035-018-1124-7

Learning Impairments, Memory Deficits, and Neuropathology in Aged Tau Transgenic Mice Are Dependent on Leukotrienes Biosynthesis: Role of the cdk5 Kinase Pathway

Phillip F. Giannopoulos[1] · Jian Chiu[1] · Domenico Praticò[1]

Received: 3 April 2018 / Accepted: 11 May 2018 / Published online: 7 June 2018

Fig 3F



Retracted article
See the retraction notice

Mol Neurobiol. 2018 Jul;55(7):5926-5936. doi: 10.1007/s12035-017-0817-7. Epub 2017 Nov 11.

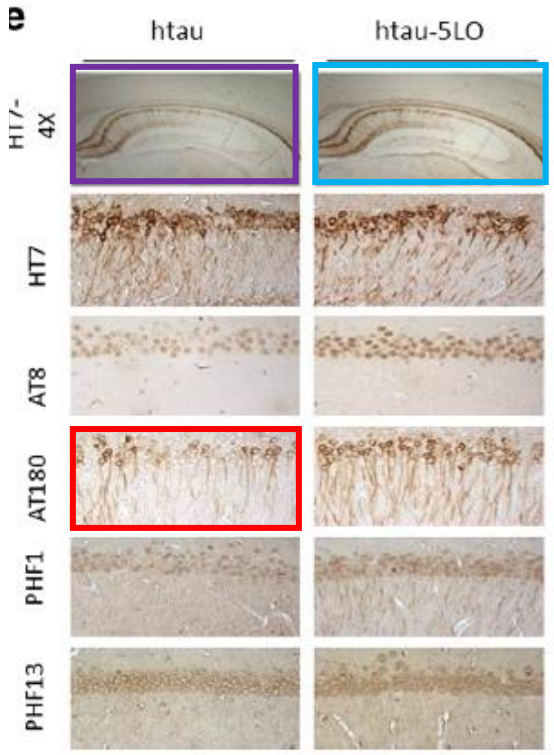
Overexpression of 5-Lipoxygenase Worsens the Phenotype of a Mouse Model of Tauopathy

Phillip F Giannopoulos [1], Domenico Praticò [2]

Affiliations + expand

PMID: 29128902

Fig 2E



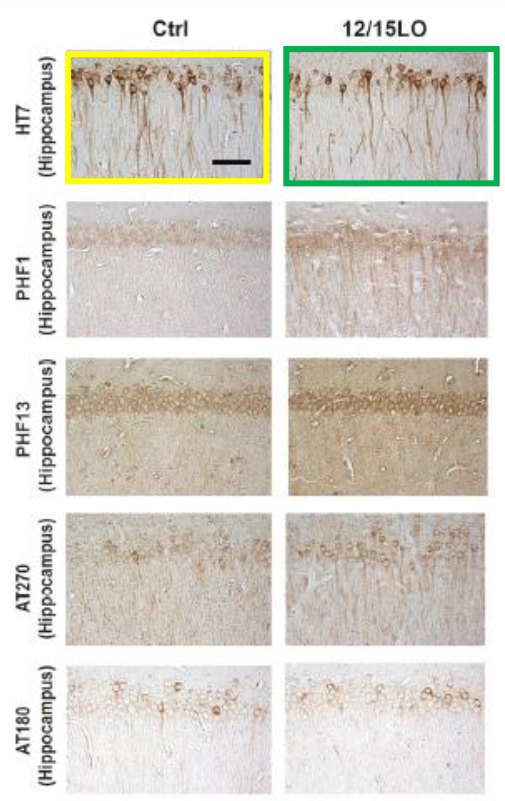
Molecular Psychiatry
https://doi.org/10.1038/s41380-018-0268-1

ARTICLE

Downregulation of autophagy by 12/15Lipoxygenase worsens the phenotype of an Alzheimer's disease mouse model with plaques, tangles, and memory impairments

Jian-Guo Li[1] · Jin Chu[1] · Domenico Praticò[1]

Fig 3



Biol Psychiatry. 2015 Nov 15;78(10):693-701. doi: 10.1016/j.biopsych.2015.01.015. Epub 2015 Feb 7.

Pharmacologic inhibition of 5-lipoxygenase improves memory, rescues synaptic dysfunction, and ameliorates tau pathology in a transgenic model of tauopathy

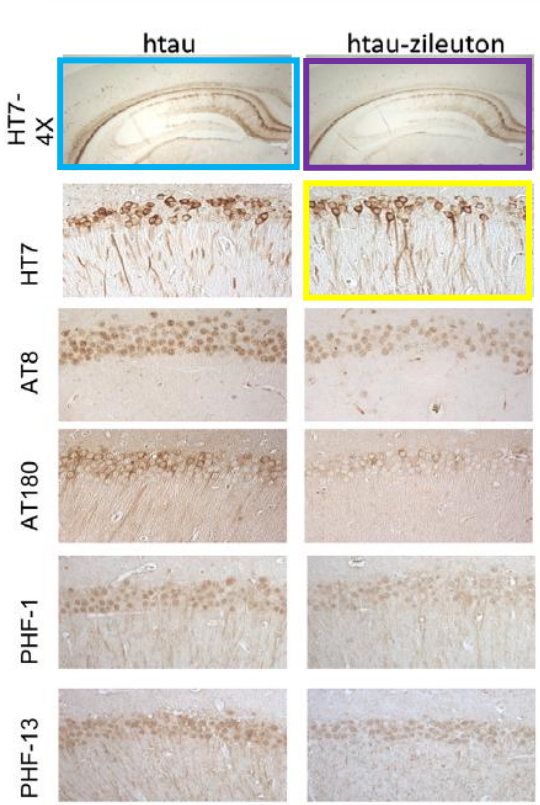
Phillip F Giannopoulos [1], Jin Chu [1], Margaret Sperow [2], Jian-Guo Li [1], W Haung Yu [3], Lynn G Kirby [4], Mary Abood [4], Domenico Praticò [5]

Affiliations + expand

PMID: 25802082

10 comments on PubPeer (by: Unregistered Submission, Elisabeth M Bik, Attalus Analis, Edentulina Martensi, Actinopolyspora Biskrensis, Dysdera Arabisenen)

Fig 3F



Images often re-used to indicate different experimental conditions

› Biol Psychiatry. 2013 Sep 1;74(5):348-56. doi: 10.1016/j.biopsych.2013.04.009. Epub 2013 May 15.

5-lipoxygenase activating protein reduction ameliorates cognitive deficit, synaptic dysfunction, and neuropathology in a mouse model of Alzheimer's disease

Phillip F Giannopoulos [1], Jin Chu, Yash B Joshi, Margaret Sperow, Jin-Guo Li, Lynn G Kirby, Domenico Praticò

Affiliations + expand

PMID: 23683389

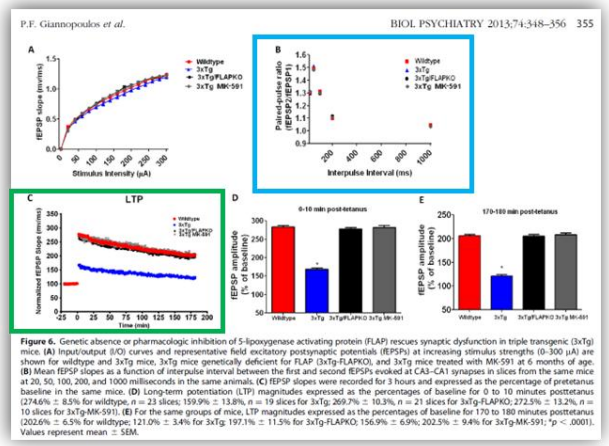


Figure 6. Genetic absence or pharmacologic inhibition of 5-lipoxygenase activating protein (FLAP) rescues synaptic dysfunction in triple transgenic (3xTg) mice. **(A)** Input/output (I/O) curves and representative field excitatory postsynaptic potentials (fEPSPs) at increasing stimulus strengths (0–300 μA) are shown for wildtype and 3xTg mice, 3xTg mice genetically deficient for FLAP (3xTg-FLAPKO), and 3xTg mice treated with MK-591 at 6 months of age. **(B)** Mean fEPSP slopes as a function of interpulse interval between the first and second fEPSPs evoked at CA3–CA1 synapses in slices from the same mice at 20, 50, 100, 200, and 1000 milliseconds in the same animals. **(C)** fEPSP slopes were recorded for 3 hours and expressed as the percentage of pretetanus baseline in the same mice. **(D)** Long-term potentiation (LTP) magnitudes expressed as the percentages of baseline for 0 to 10 minutes posttetanus (274.6% ± 8.5% for wildtype, $n = 23$ slices; 159.9% ± 13.8%, $n = 19$ slices for 3xTg; 269.7% ± 10.3%, $n = 21$ slices for 3xTg-FLAPKO; 272.5% ± 13.2%, $n = 10$ slices for 3xTg-MK-591). **(E)** For the same groups of mice, LTP magnitudes expressed as the percentages of baseline for 170 to 180 minutes posttetanus (202.6% ± 6.5% for wildtype; 121.0% ± 3.4% for 3xTg; 197.1% ± 11.5% for 3xTg-FLAPKO; 156.9% ± 6.9%; 202.5% ± 9.4% for 3xTg-MK-591; *$p < .0001$). Values represent mean ± SEM.

Molecular Psychiatry (2014) 19, 511–518

www.nature.com/mp

ORIGINAL ARTICLE

Gene knockout of 5-lipoxygenase rescues synaptic dysfunction and improves memory in the triple-transgenic model of Alzheimer's disease

PF Giannopoulos[1,2], J Chu[1,2], YB Joshi[1,2], M Sperow[3], J-G Li[1,2], LG Kirby[3,4] and D Praticò[1,2]

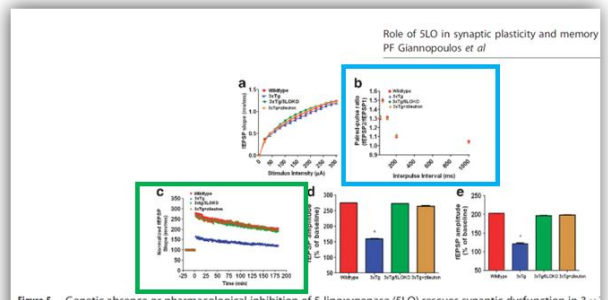


Figure 5. Genetic absence or pharmacological inhibition of 5-lipoxygenase (5LO) rescues synaptic dysfunction in 3 × curves and representative field excitatory postsynaptic potentials (fEPSPs) at increasing stimulus strengths (0–300 μA (WT), 3 × Tg, 3 × Tg mice genetically deficient for 5LO (3 × Tg/5LOKO) and 3 × Tg + zileuton mice at 6 months of age. a function of interpulse interval between the first and second fEPSPs evoked at CA3-CA1 synapses in slices from the 200 and 1000 ms in the same animals. **(c)** fEPSP slopes were recorded for 3 h and expressed as the percentage of p same mice. **(d)** LTP magnitudes expressed as the percentages of baseline for 0–10 min post-tetanus (274.6% ± 8.5 159.9% ± 13.8% ($n = 19$ slices) for 3 × Tg; 272.7% ± 9.6% ($n = 20$ slices) for 3 × Tg/5LOKO; 268.5% ± 14.3% ($n = 5$ slice **(e)** For the same groups of mice, LTP magnitudes expressed as the percentages of baseline for 170–180 min post-te WT; 121.0% ± 3.4% for 3 × Tg; 197.1% ± 11.5% for 3 × Tg/5LOKO; 156.9% ± 6.9%; 199.5% ± 7.4% for 3 × Tg + zileut represent mean ± s.e.m.

Human Molecular Genetics, 2014 1–9
doi:10.1093/hmg/ddu412

Absence of *ALOX5* gene prevents stress-induced memory deficits, synaptic dysfunction and tauopathy in a mouse model of Alzheimer's disease

Yash B. Joshi[1], Phillip F. Giannopoulos[1], Jin Chu[1], Margaret Sperow[2], Lynn G. Kirby[2], Mary E. Abood[2] and Domenico Praticò[1,*]

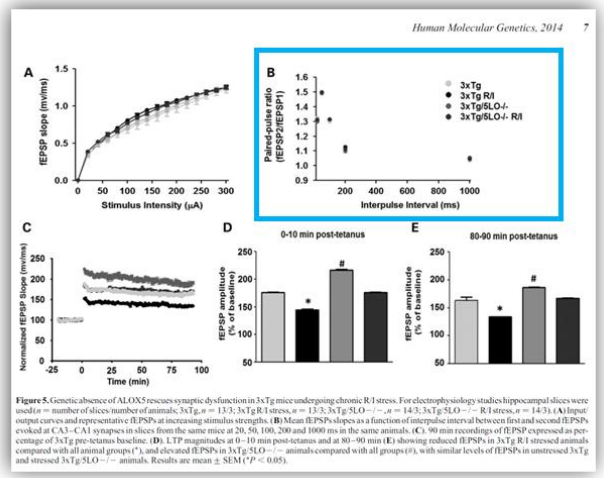


Figure 5. Genetic absence of ALOX5 rescues synaptic dysfunction in 3xTg mice undergoing chronic R/I stress. For electrophysiology studies hippocampal slices were used (n = number of slices/number of animals; 3xTg, $n = 13/3$; 3xTg R/I stress, $n = 13/3$; 3xTg/5LO−/−, $n = 14/3$; 3xTg/5LO−/− R/I stress, $n = 14/3$). **(A)** Input/output curves and representative fEPSPs at increasing stimulus strengths. **(B)** Mean fEPSPs slopes as a function of interpulse interval between first and second fEPSPs evoked at CA3–CA1 synapses in slices from the same mice at 20, 50, 100, 200 and 1000 ms in the same animals. **(C)**, 90 min recordings of fEPSP expressed as percentage of 3xTg pre-tetanus baseline. **(D)**, LTP magnitudes at 0–10 min post-tetanus and at 80–90 min **(E)** showing reduced fEPSPs in 3xTg R/I stressed animals compared with all animal groups (*), and elevated fEPSPs in 3xTg/5LO−/− animals compared with all groups (#), with similar levels of fEPSPs in unstressed 3xTg and stressed 3xTg/5LO−/− animals. Results are mean ± SEM (*$P < 0.05$).

› Biol Psychiatry. 2015 Nov 15;78(10):693-701. doi: 10.1016/j.biopsych.2015.01.015. Epub 2015 Feb 7.

Pharmacologic inhibition of 5-lipoxygenase improves memory, rescues synaptic dysfunction, and ameliorates tau pathology in a transgenic model of tauopathy

Phillip F Giannopoulos [1], Jin Chu [1], Margaret Sperow [2], Jian-Guo Li [1], W Haung Yu [3], Lynn G Kirby [4], Mary Abood [4], Domenico Praticò [5]

Affiliations + expand

PMID: 25802082

10 comments on PubPeer (by: Unregistered Submission, Elisabeth M Bik, Attalus Anelli, Edentulina Martensi, Actinopolyspora Biskrensis, Dysdera Arabisnemen)

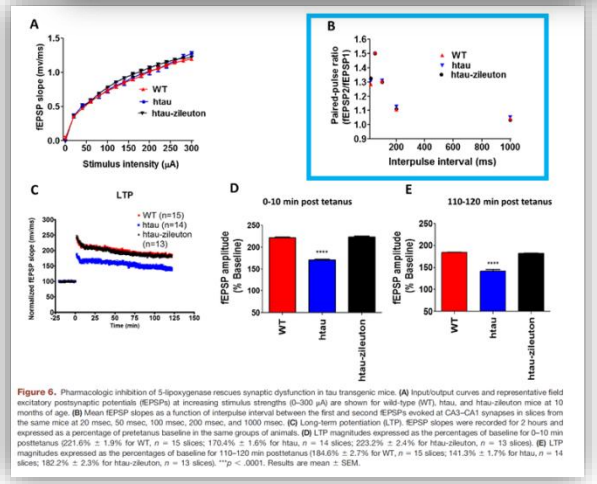
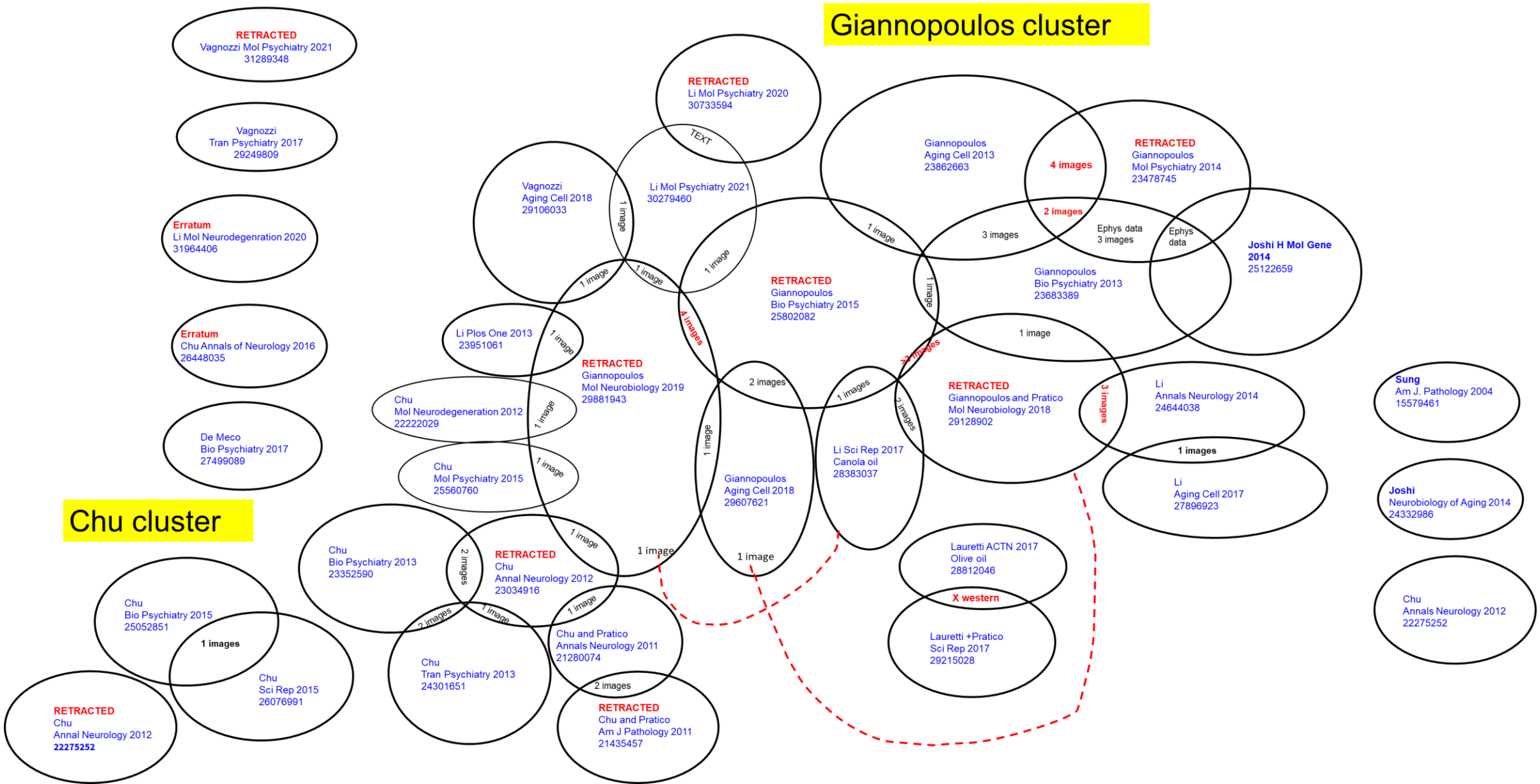


Figure 6. Pharmacologic inhibition of 5-lipoxygenase rescues synaptic dysfunction in tau transgenic mice. **(A)** Input/output curves and representative field excitatory postsynaptic potentials (fEPSPs) at increasing stimulus strengths (0–300 μA) are shown for wild-type (WT), htau, and htau-zileuton mice at 10 months of age. **(B)** Mean fEPSP slopes as a function of interpulse interval between the first and second fEPSPs evoked at CA3–CA1 synapses in slices from the same mice at 20 msec, 50 msec, 100 msec, 200 msec, and 1000 msec. **(C)** Long-term potentiation (LTP). fEPSP slopes were recorded for 2 hours and expressed as a percentage of pretetanus baseline in the same groups of animals. **(D)** LTP magnitudes expressed as the percentages of baseline for 0–10 min posttetanus (221.6% ± 1.9% for WT, $n = 15$ slices; 170.4% ± 1.6% for htau, $n = 14$ slices; 223.2% ± 2.4% for htau-zileuton, $n = 13$ slices). **(E)** LTP magnitudes expressed as the percentages of baseline for 110–120 min posttetanus (184.6% ± 2.7% for WT, $n = 15$ slices; 141.3% ± 1.7% for htau, $n = 14$ slices; 182.2% ± 2.3% for htau-zileuton, $n = 13$ slices). ***$p < .0001$. Results are mean ± SEM.

Re-use, re-use, re-use



When in trouble, blame the student

IN THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF PENNSYLVANIA

DOMENICO PRATICO, **Plaintiff,** **v.** **PHILLIP GIANNOPOULOS,** **Defendant.**	**CIVIL ACTION** **NO. 24-2212**

MEMORANDUM OPINION

Defendant Phillip Giannopoulos moves to dismiss Plaintiff Domenico Praticò's Second Amended Complaint against him, arguing that it fails to plausibly allege that he engaged in defamation or fraud. Fed. R. Civ. P. 12(b)(6). For the reasons that follow, Giannopoulos's Motion will be granted.

based on "work [that] was done in 2015," "articles . . . published in 2018 and 2019," and "data [that] was subject to scrutiny in 2020," the two-year limitations period has run. In response, Praticò argues that he originally defended Giannopoulos's work and only discovered any inaccuracies after hiring an independent reviewer in 2023. But the Complaint alleges that Praticò learned about the alleged problems with Giannopoulos's data three years earlier in 2020. Once Pubpeer posted concerns about the data, he emailed Giannopoulos "to schedule a conversation." Considering such allegations, Praticò at least should have known through the exercise of reasonable diligence about the alleged falsity of Giannopoulos's data more than two years ago. *Beauty Time*, 118 F.3d at 144. His fraud claim therefore is barred by Pennsylvania's two-year statute of limitations and will be dismissed with prejudice.

IV. CONCLUSION

For the foregoing reasons, Giannopoulos's Motion to Dismiss will be granted in part and denied in part. An appropriate order follows.

BY THE COURT:

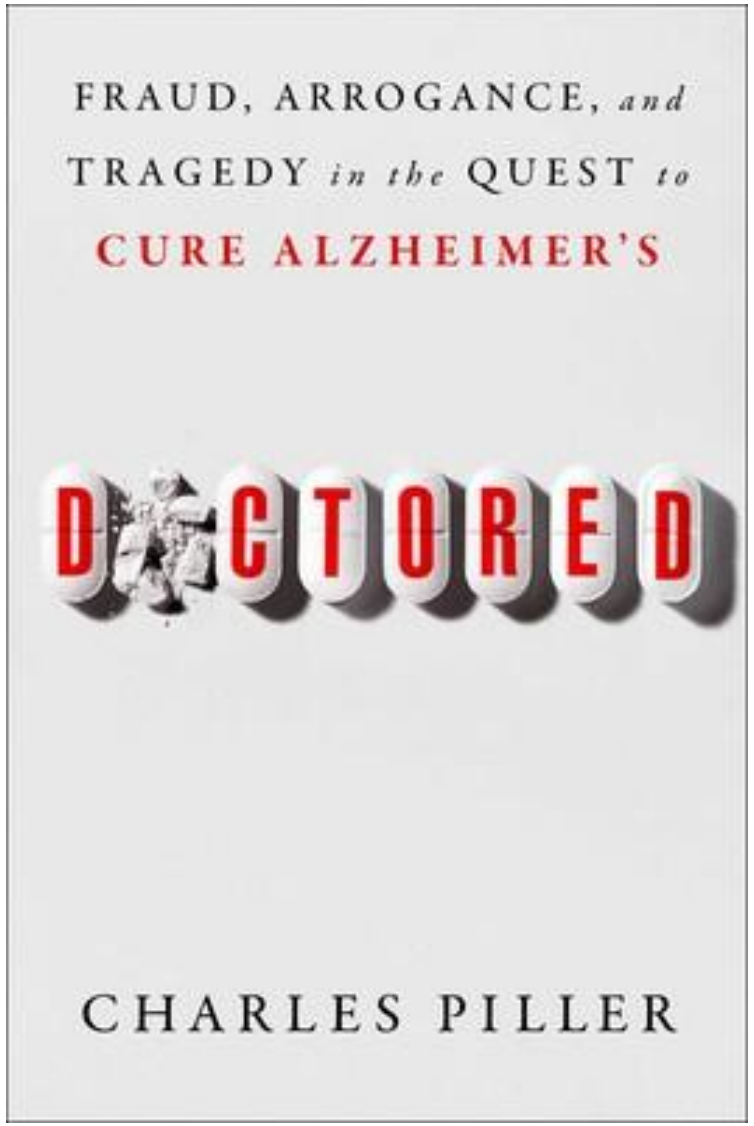
/S/Wendy Beetlestone, J.

WENDY BEETLESTONE, J.

Date: 08/22/24

The biggest case: Eliezer Masliah, former director of Neuroscience at National Institute of Aging (NIA).

- NIA's Division of Neuroscience budget was 2.6 billion last year
- Over 800 papers published
- Over 130 flagged for potential misconduct
- Over 500 co-authors impacted
- His research was behind the development of several anti-Parkinson's drugs that target α-synuclein.
- 22 papers on effects of Cerebrolysin, 8 flagged

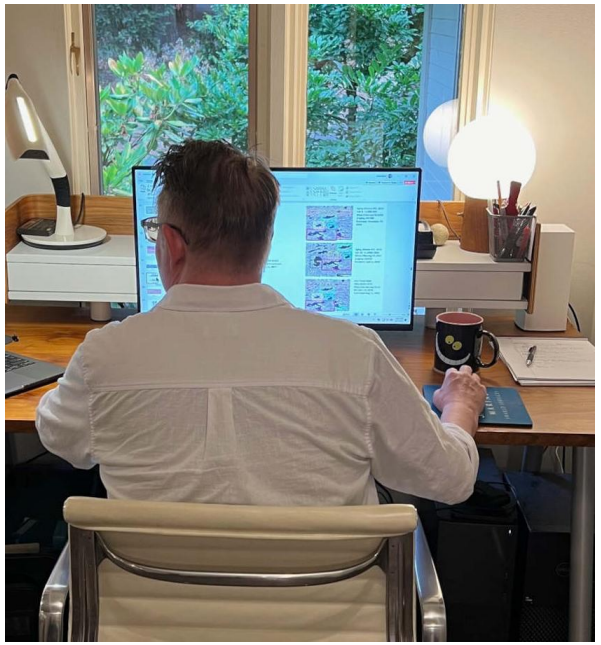


Charles Piller

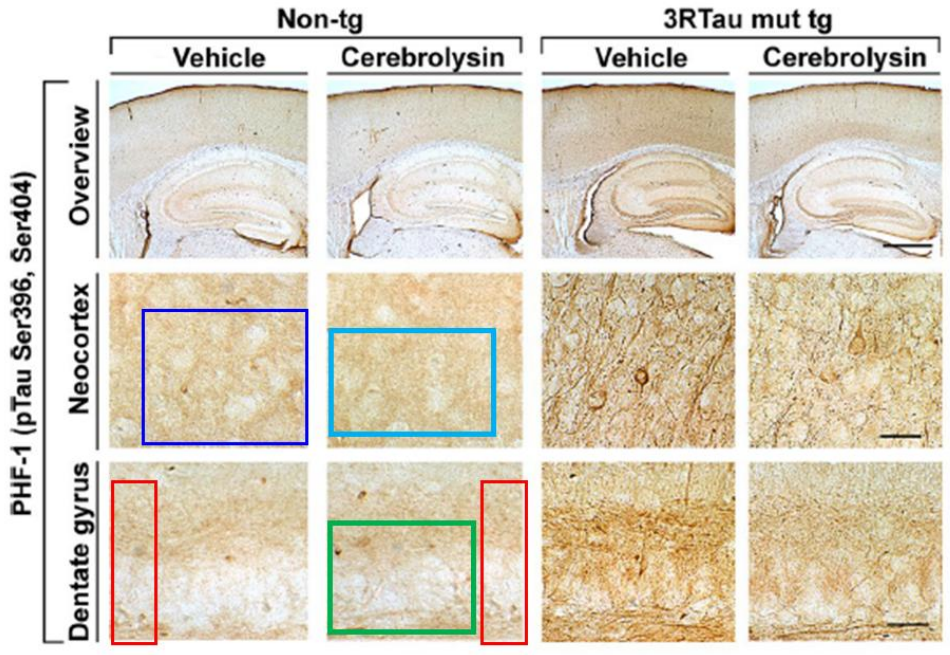
Elisabeth Bik

Matthew Schrag

Kevin Patrick (@Cheshire)



Disclosure: ImageTwin AI



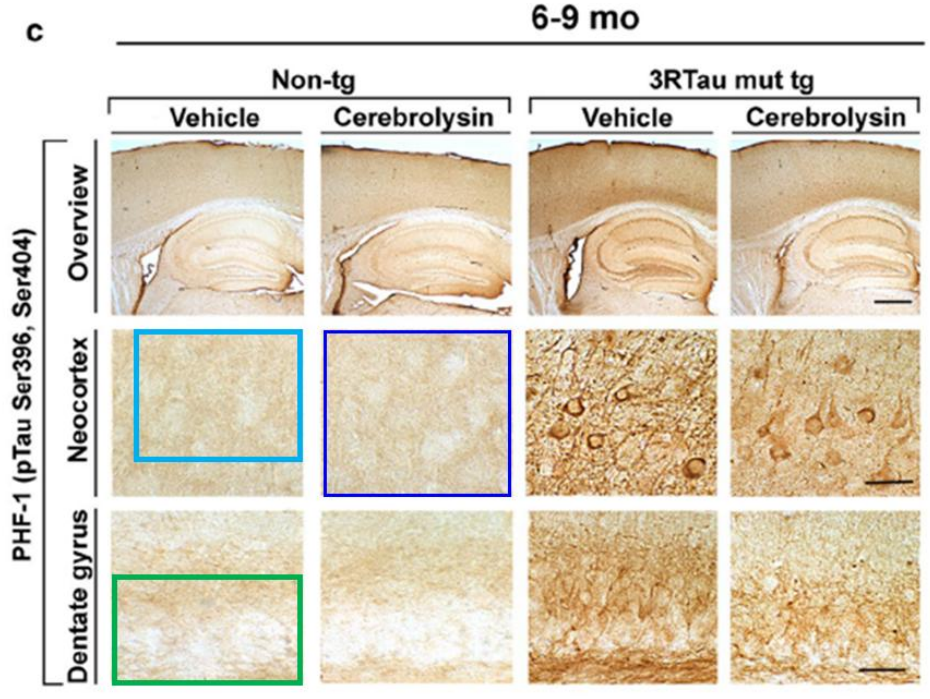


Fig. 2 Immunocytochemical analysis of effects of CBL on levels of p-tau in 3R tau transger
against p-tau (PHF1) in the 3–6 month group. **b** Image analysis of levels of p-tau immunor

Rockenstein *et al. BMC Neurosci (2015) 16:85*
DOI 10.1186/s12868-015-0218-7

BMC Neuroscience

RESEARCH ARTICLE Open Access

Neuroprotective effects of Cerebrolysin in triple repeat Tau transgenic model of Pick's disease and fronto-temporal tauopathies

Edward Rockenstein[1], Kiren Ubhi[1], Michael Mante[1], Jazmin Florio[1], Anthony Adame[1], Stefan Winter[2], Hemma Brandstaetter[2], Dieter Meier[2] and Eliezer Masliah[1,3*]

Fig 2: Several overlapping images in this panel reportedly describe different experimental conditions.

MY

Neurobiology of Disease

Neurological and Neurodegenerative Alterations in a Transgenic Mouse Model Expressing Human α-Synuclein under Oligodendrocyte Promoter: Implications for Multiple System Atrophy

Clifford W. Shults,[1,2] Edward Rockenstein,[1] Leslie Crews,[1] Anthony Adame,[1] Michael Mante,[1] Gabriel Larrea,[1] Makoto Hashimoto,[1] David Song,[1,2] Takeshi Iwatsubo,[3] Kyoko Tsuboi,[1,2] and Eliezer Masliah[1,4]

[1]Department of Neurosciences, University of California, San Diego, La Jolla, California 92093-0624, [2]Veterans Affairs San Diego Healthcare System, San Diego, California 92161, [3]Department of Neuropathology and Neuroscience, University of Tokyo, Tokyo 113-0033, Japan, and [4]Department of Pathology, University of California, San Diego, La Jolla, California 92093-0820

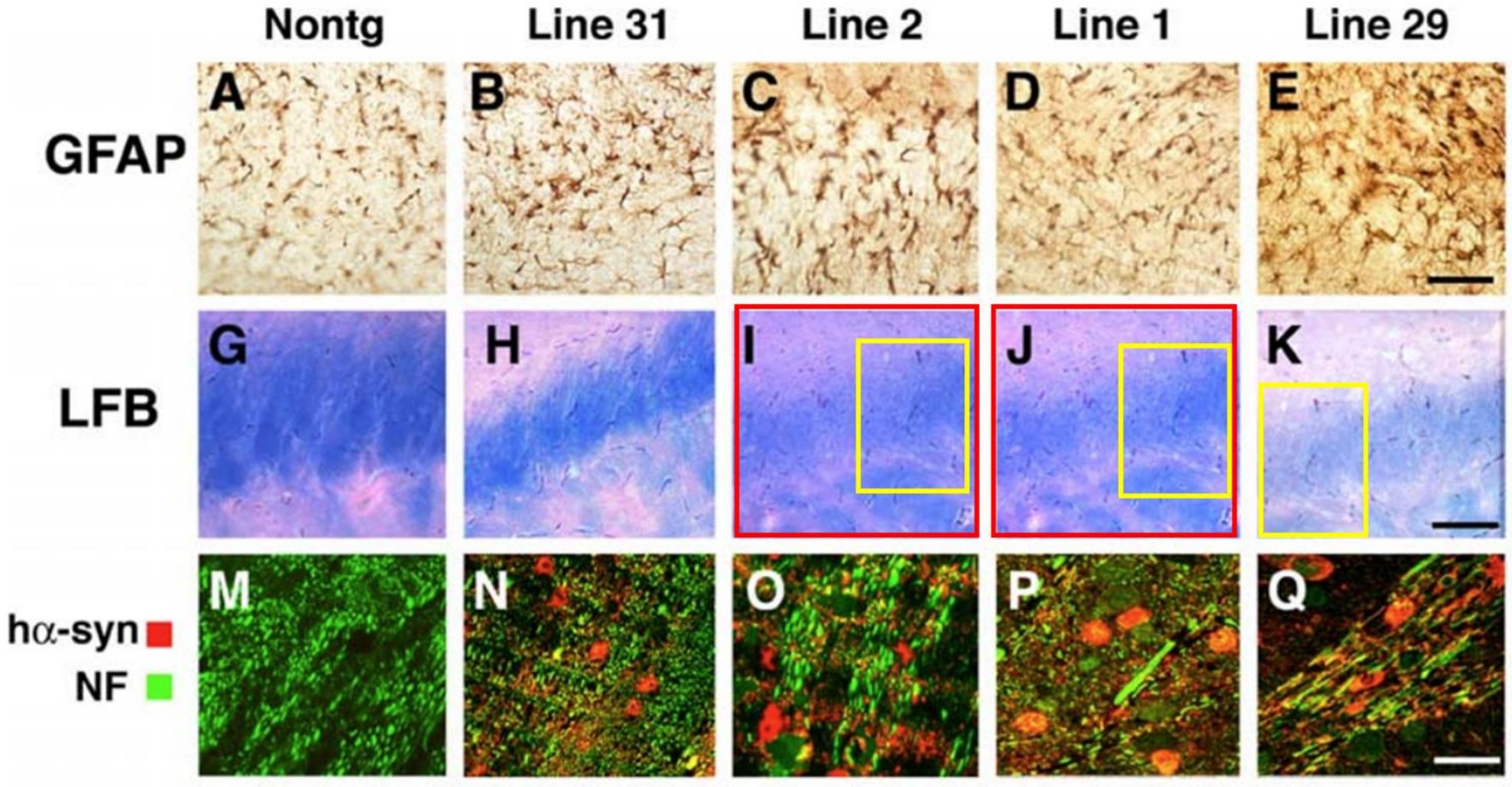


Figure 6. Neuropathological alterations in the corpus callosum of MBP hα-syn tg mice. All panels are from vibratome sections from the brains of 4-month-

Published in final edited form as:
Exp Neurol. 2012 April ; 234(2): 405–416. doi:10.1016/j.expneurol.2012.01.008.

Fluoxetine Ameliorates Behavioral and Neuropathological Deficits in a Transgenic Model Mouse of α-synucleinopathy

Kiren Ubhi[a], **Chandra Inglis**[a], **Michael Mante**[a], **Christina Patrick**[a], **Anthony Adame**[a], **Brian Spencer**[a], **Edward Rockenstein**[a], **Verena May**[c], **Juergen Winkler**[a,c], and **Eliezer Masliah**[a,b]

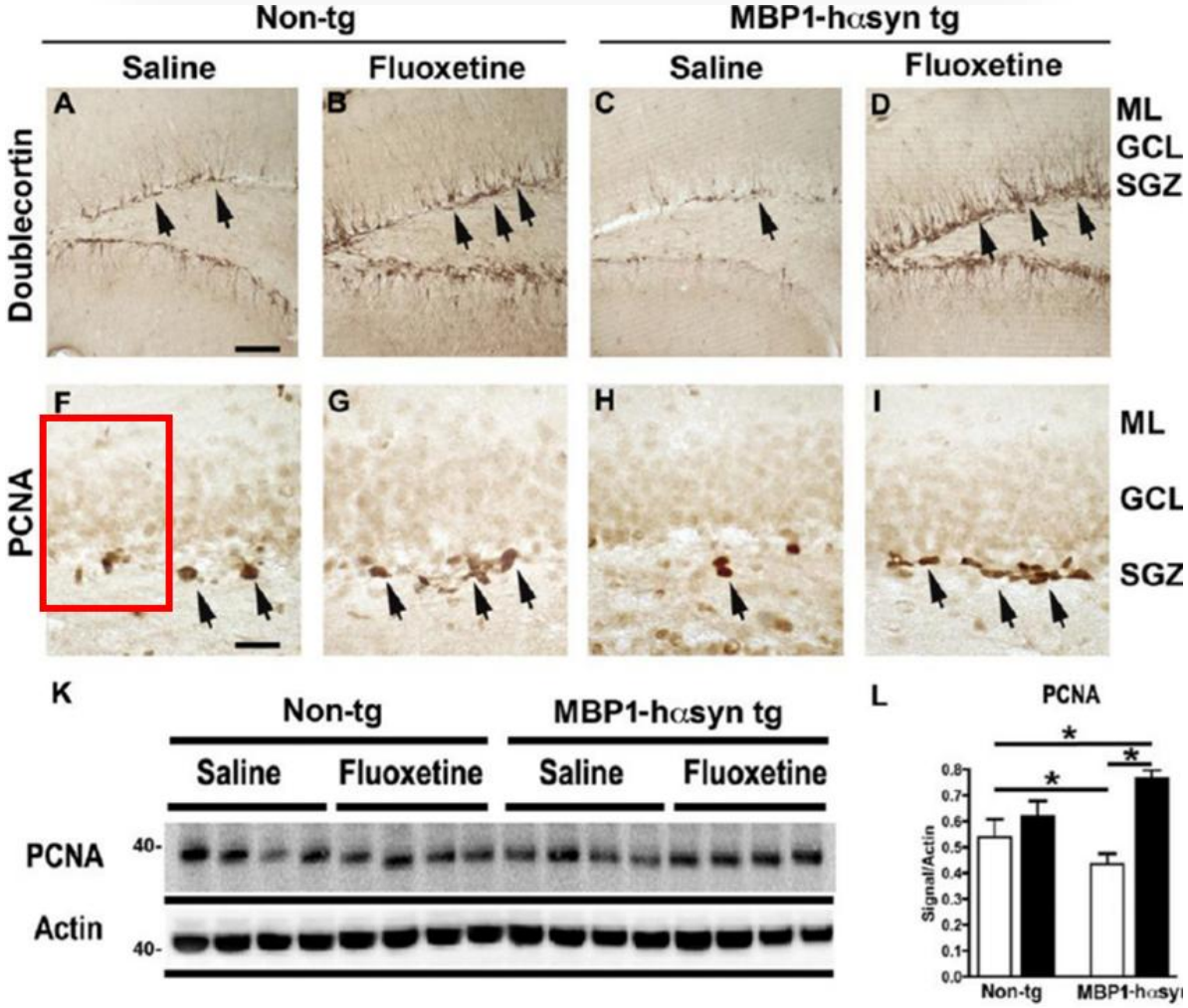


Figure 4. Fluoxetine ameliorates deficits in neurogenesis in the MBP1-hαsyn tra

Desplats *et al. Molecular Neurodegeneration* 2012, **7**:49
http://www.molecularneurodegeneration.com/content/7/1/49

MOLECULAR NEURODEGENERATION

RESEARCH ARTICLE Open Access

Combined exposure to Maneb and Paraquat alters transcriptional regulation of neurogenesis-related genes in mice models of Parkinson's disease

Paula Desplats[1*], Pruthul Patel[1], Kori Kosberg[1], Michael Mante[1], Christina Patrick[1], Edward Rockenstein[1], Masayo Fujita[3], Makoto Hashimoto[3] and Eliezer Masliah[1,2]

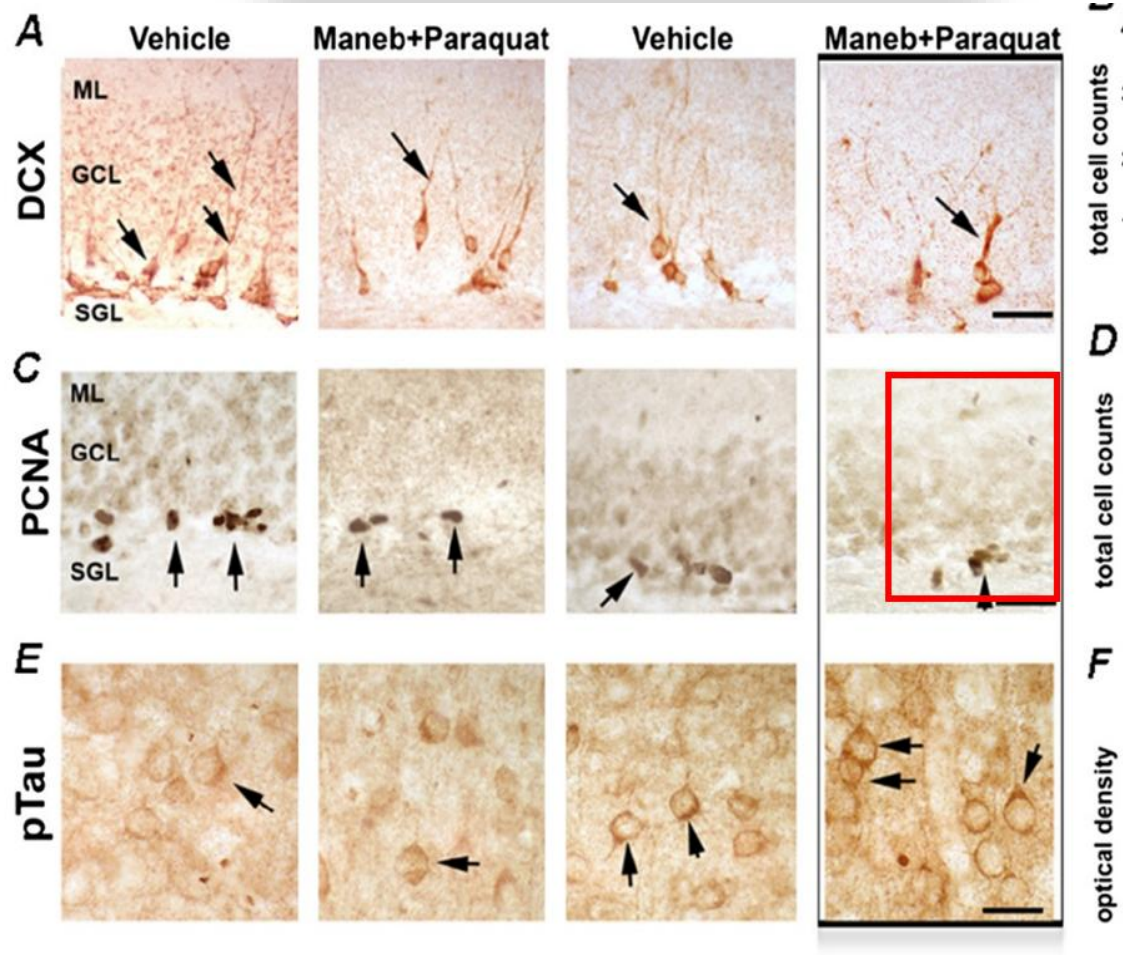


Figure 2 Exposure to Maneb and Paraquat alters adult neurogenesis in the hippocampus of LR
Immunohistochemical detection of Doublecortin (DCX) positive neuronal precursors (**A**) and Proliferati

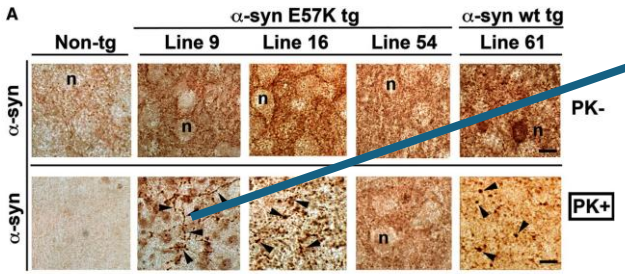
doi:10.1093/brain/awu057 Brain 2014: 137; 1496–1513 | 1496

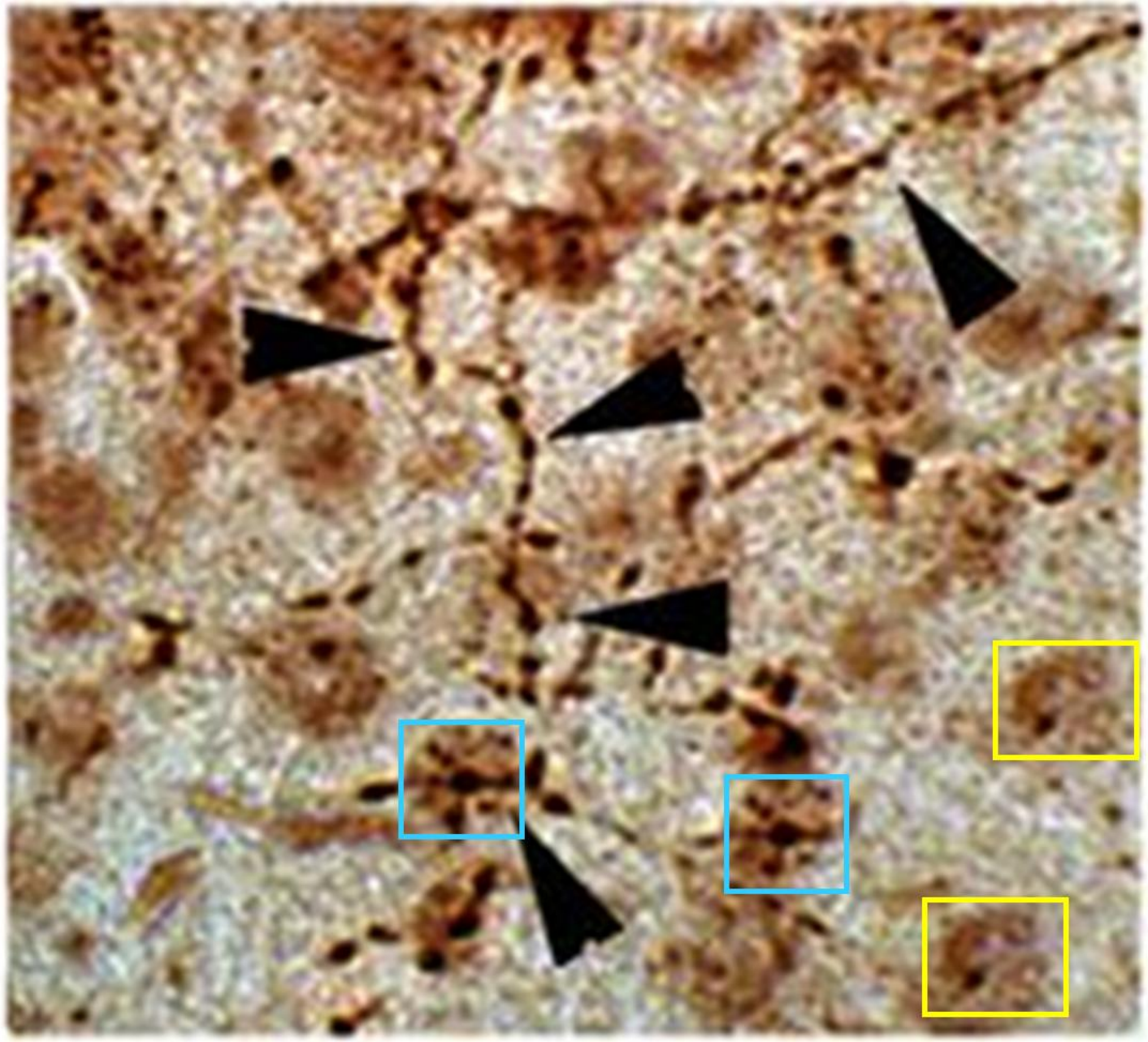
BRAIN
A JOURNAL OF NEUROLOGY

Accumulation of oligomer-prone α-synuclein exacerbates synaptic and neuronal degeneration *in vivo*

Edward Rockenstein,[1] Silke Nuber,[1] Cassia R. Overk,[1] Kiren Ubhi,[1] Michael Mante,[1] Christina Patrick,[1] Anthony Adame,[1] Margarita Trejo-Morales,[1] Juan Gerez,[2] Paola Picotti,[2] Poul H. Jensen,[3] Silvia Campioni,[4] Roland Riek,[4] Jürgen Winkler,[5] Fred H. Gage,[6] Beate Winner[7] and Eliezer Masliah[1,8]

Fig 5: line-9 alpha-syn image appears to contain cloned sections



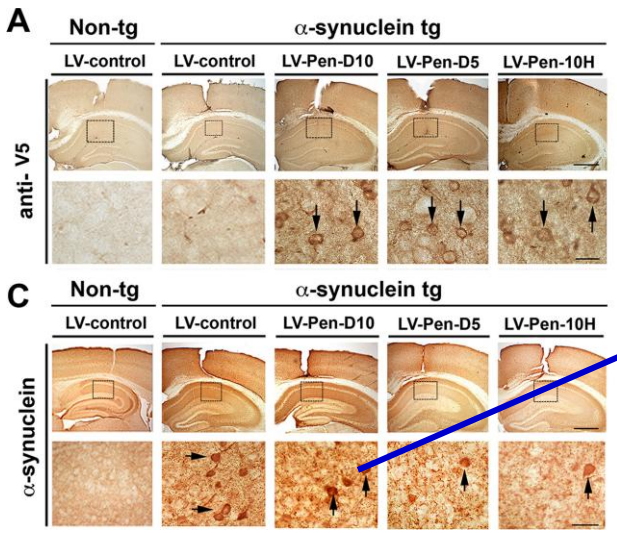


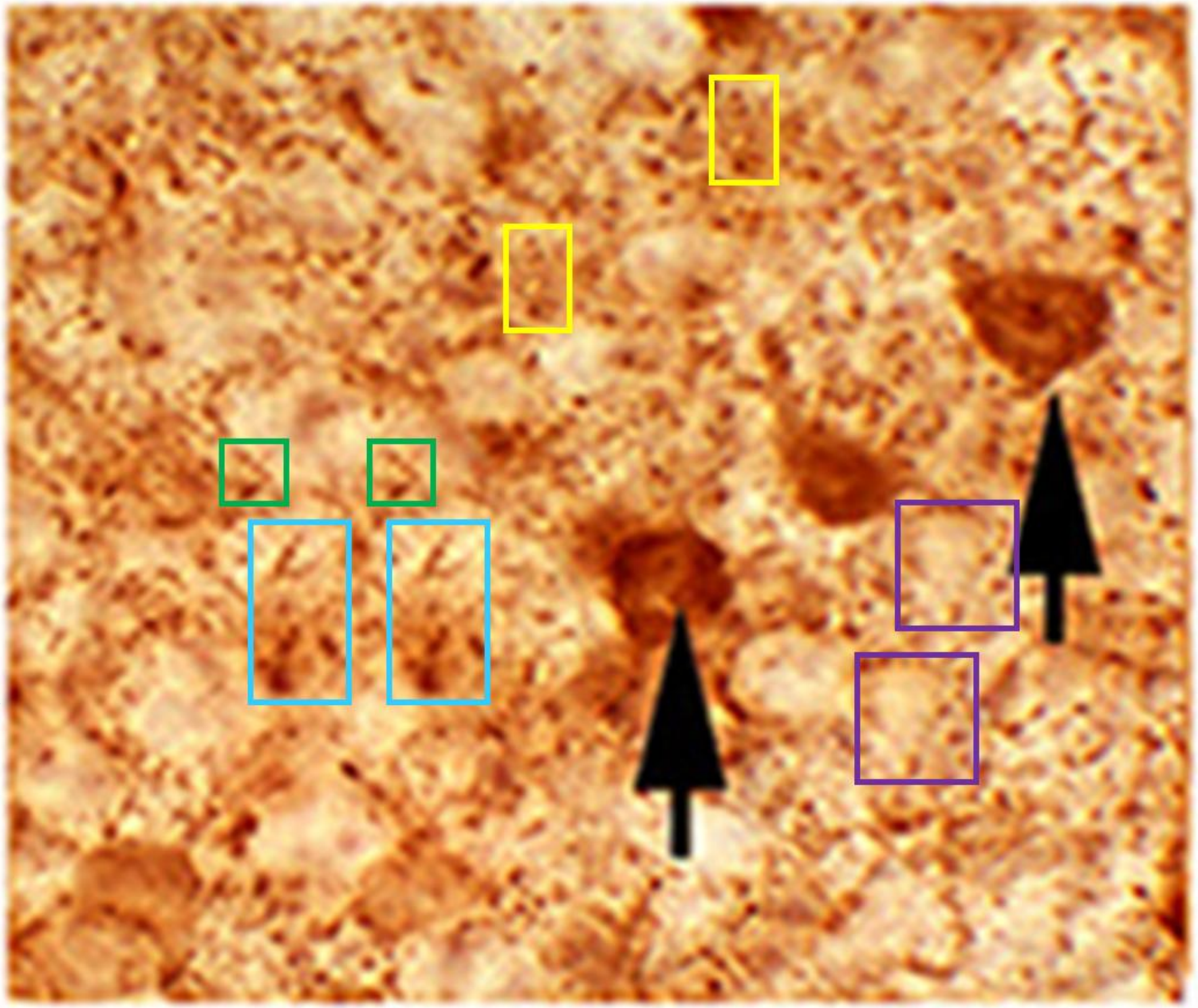
ANNALS of Clinical and Translational Neurology
Open Access
RESEARCH ARTICLE

α-synuclein conformational antibodies fused to penetratin are effective in models of Lewy body disease

Brian Spencer[1], Stephanie Williams[2], Edward Rockenstein[1], Elvira Valera[1], Wei Xin[2], Michael Mante[1], Jazmin Florio[1], Anthony Adame[1], Eliezer Masliah[1,3] & Michael R. Sierks[2]

[1]Department of Neuroscience, University of California, San Diego, California
[2]Department of Chemical Engineering, Arizona State University, Tempe, Arizona
[3]Department of Pathology, University of California, San Diego, California





Published in final edited form as:
Neurobiol Dis. 2017 August ; 104: 85–96. doi:10.1016/j.nbd.2017.05.002.

Differential effects of immunotherapy with antibodies targeting α-synuclein oligomers and fibrils in a transgenic model of synucleinopathy

Omar El-Agnaf[a,b], Cassia Overk[c], Edward Rockenstein[c], Michael Mante[c], Jazmin Florio[c], Anthony Adame[c], Nishant Vaikath[a], Nour Majbour[a], Seung-Jae Lee[d], Changyoun Kim[c,1], Eliezer Masliah[c,e,1], and Robert A. Rissman[c,f,*]

RETRACTED

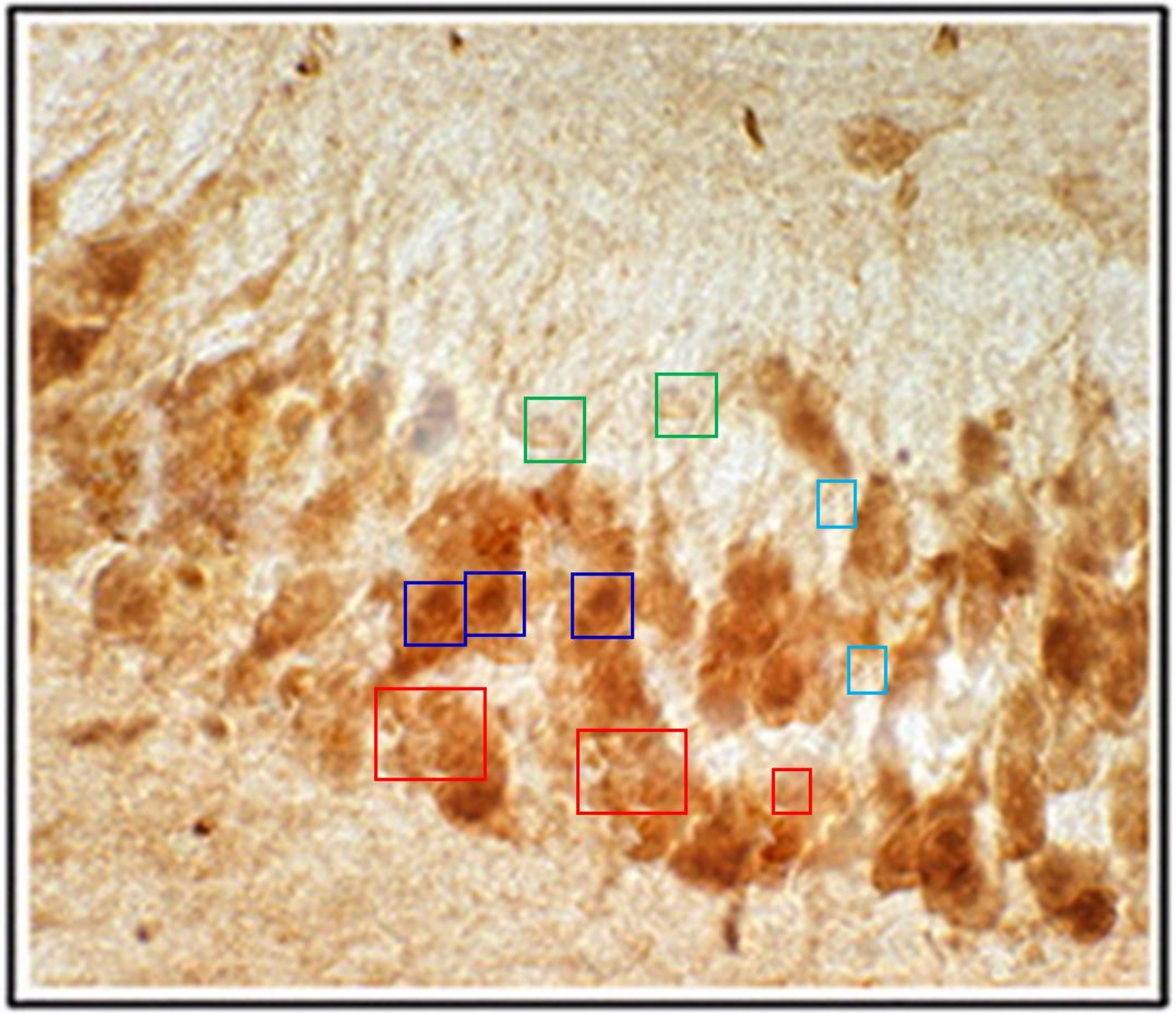
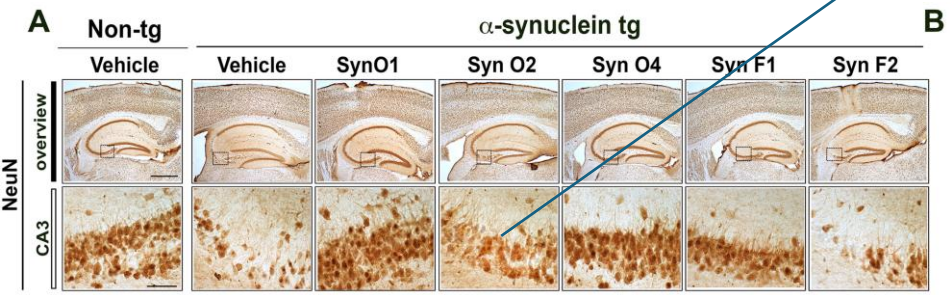


Fig 5A: Potentially duplicated / cloned regions detected



Am J Pathol. 2013 Mar;182(3):940-53. doi: 10.1016/j.ajpath.2012.11.018. Epub 2013 Jan 9.

Axonopathy in an α-synuclein transgenic model of Lewy body disease is associated with extensive accumulation of C-terminal-truncated α-synuclein

Dora Games [1], Peter Seubert, Edward Rockenstein, Christina Patrick, Margarita Trejo, Kiren Ubhi, Benjamin Ettle, Majid Ghassemiam, Robin Barbour, Dale Schenk, Silke Nuber, Eliezer Masliah

Affiliations + expand

PMID: 23313024 PMCID: PMC3589076 DOI: 10.1016/j.ajpath.2012.11.018

Fig 2

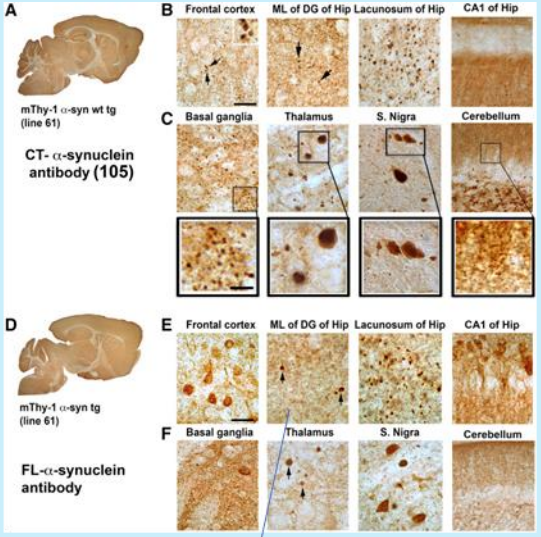


Fig 4

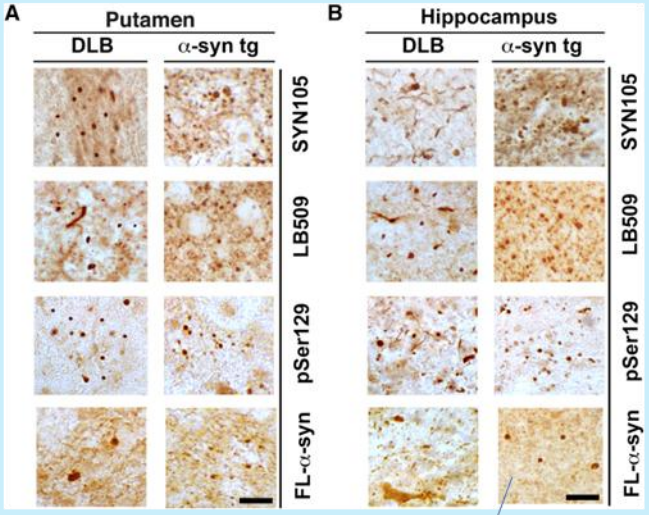
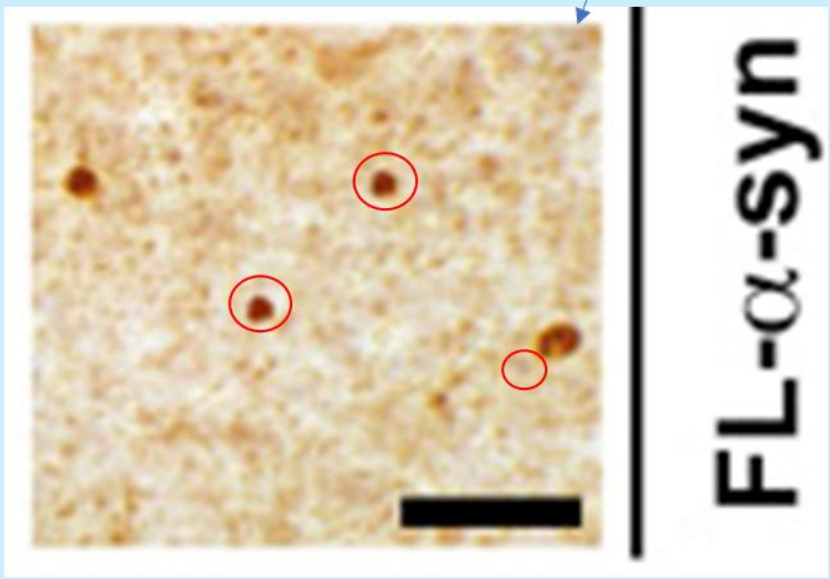


Fig 2 legend reads “Arrows indicate dystrophic neuritis containing alpha-synuclein accumulation”. Red circles in the Fig 4 image indicate regions obviously different between these images which should have come from the same tissue sample.



Journal of Alzheimer's Disease 27 (2011) 743–752
DOI 10.3233/JAD-2011-110914
IOS Press

Regional Comparison of the Neurogenic Effects of CNTF-Derived Peptides and Cerebrolysin in AβPP Transgenic Mice

Edward Rockenstein[a], Kiren Ubhi[a], Edith Doppler[b], Philipp Novak[b], Herbert Moessler[b], Bin Li[c], Julie Blanchard[c], Inge Grundke-Iqbal[c], Khalid Iqbal[c], Michael Mante[a], Anthony Adame[a], Leslie Crews[a] and Eliezer Masliah[a,*]

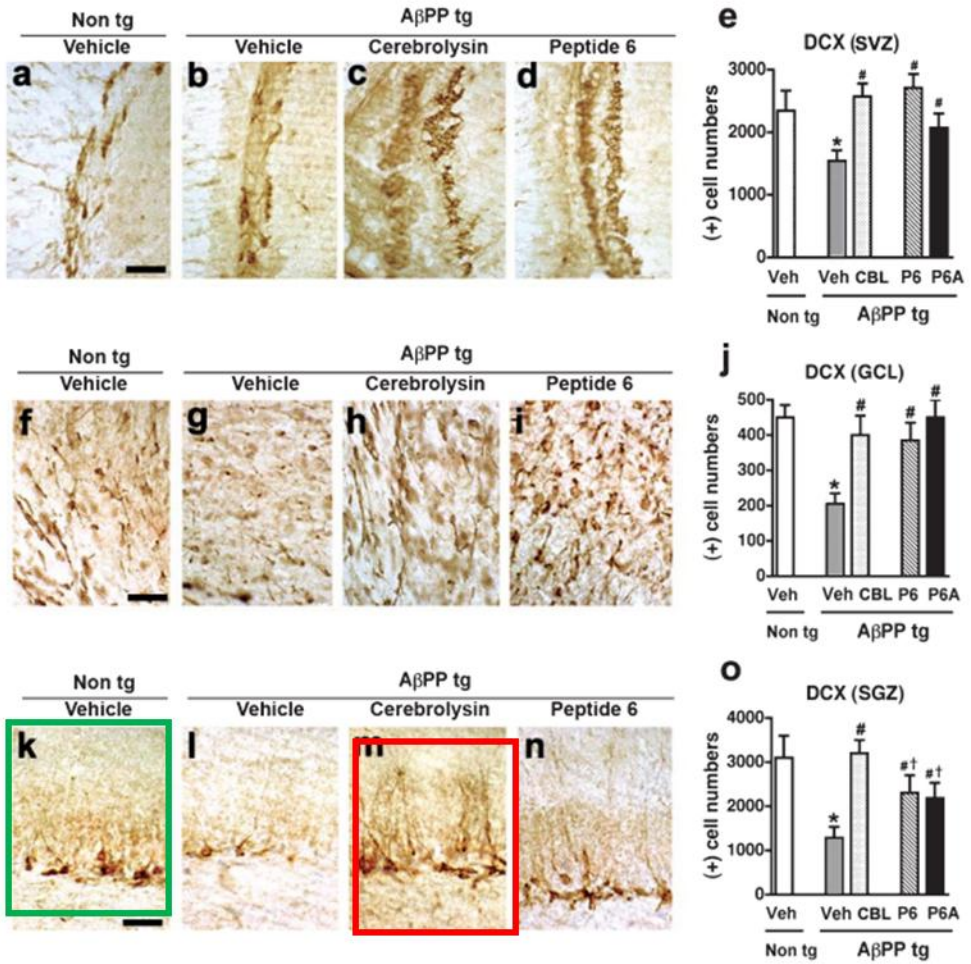


Fig. 1. Pro-neurogenic effects of Cerebrolysin and Peptides 6 and 6A across neurogenic regions of the AβPP transgenic mice. Immunohistochemistry with an anti-doublecortin (DCX) antibody was conducted in order to examine the effect of treatment with Cerebrolysin (CBL) or Peptides 6 and 6A on the generation of neuroblasts in the AβPP tg mice. a-d) DCX-immunoreactivity in the subventricular zone (SVZ) of vehicle treated non-tg mice, vehicle treated AβPP tg mice, CBL treated AβPP tg mice, and Peptide 6 treated AβPP tg

Brain Struct Funct (2010) 214:111–126
DOI 10.1007/s00429-009-0232-6

REVIEW

APP transgenic modeling of Alzheimer's disease: mechanisms of neurodegeneration and aberrant neurogenesis

Leslie Crews · Edward Rockenstein · Eliezer Masliah

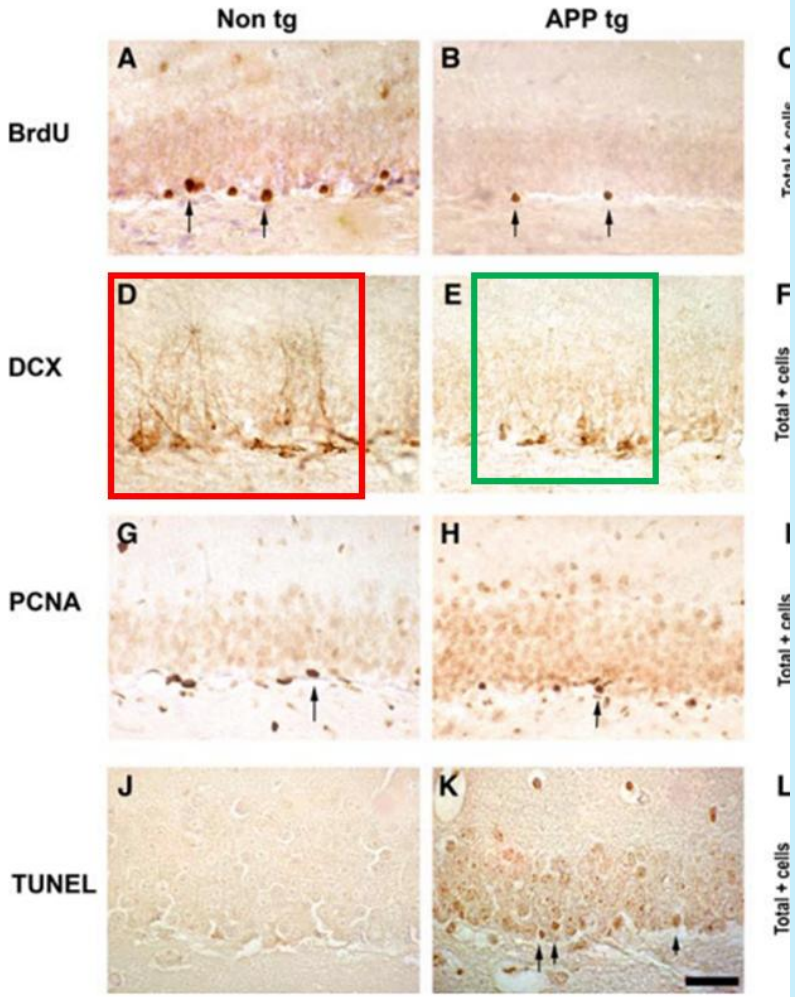


Fig. 6 Reduced markers of neurogenesis and increased apoptosis in the hippocampus of APP tg mice. **a–c** Reduced BrdU immunoreactivity in the hippocampal dentate gyrus of APP tg mice treated with BrdU compared to non-tg controls treated with BrdU. **d–e** Reduced doublecortin (DCX) immunoreactivity in the hippocampal dentate gyrus of APP tg mice compared to non-tg controls. **g–i** Reduced proliferating cell nuclear antigen (PCNA) immunoreactivity in the hippocampal dentate gyrus of APP tg mice compared to non-tg controls. **j–l** Increased TUNEL-positive cells in the hippocampal dentate gyrus of APP tg mice compared to non-tg controls. *Scale bar* 50 μm for all panels. $*p < 0.05$ compared to non-tg controls by Student's *t*-test ($n = 4$ mice per group)

Journal of Alzheimer's Disease 27 (2011) 743–752
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Brain Struct Funct (2010) 214:111–126
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REVIEW

APP transgenic modeling of Alzheimer's disease: mechanisms of neurodegeneration and aberrant neurogenesis

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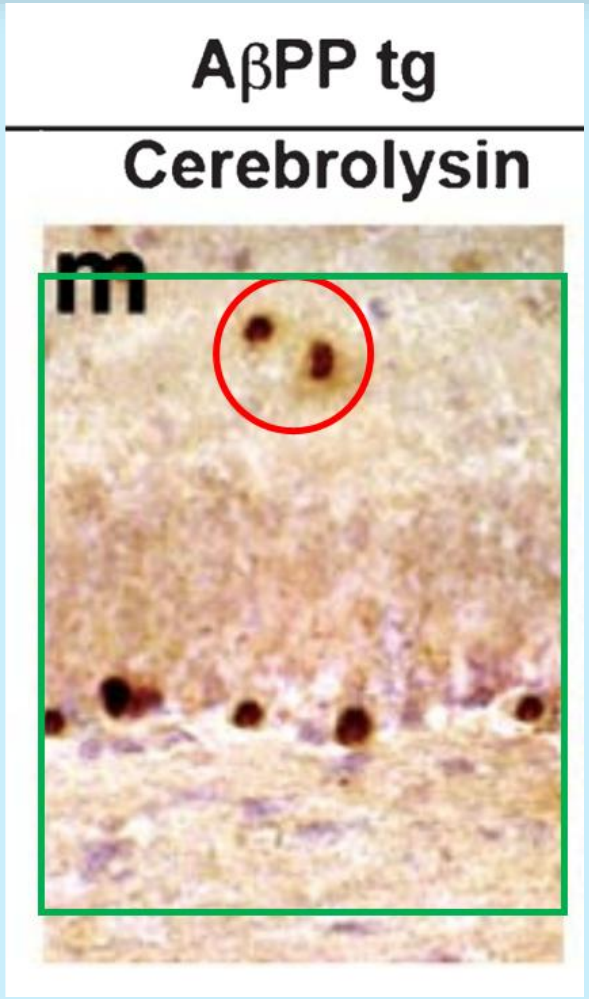


Fig 2

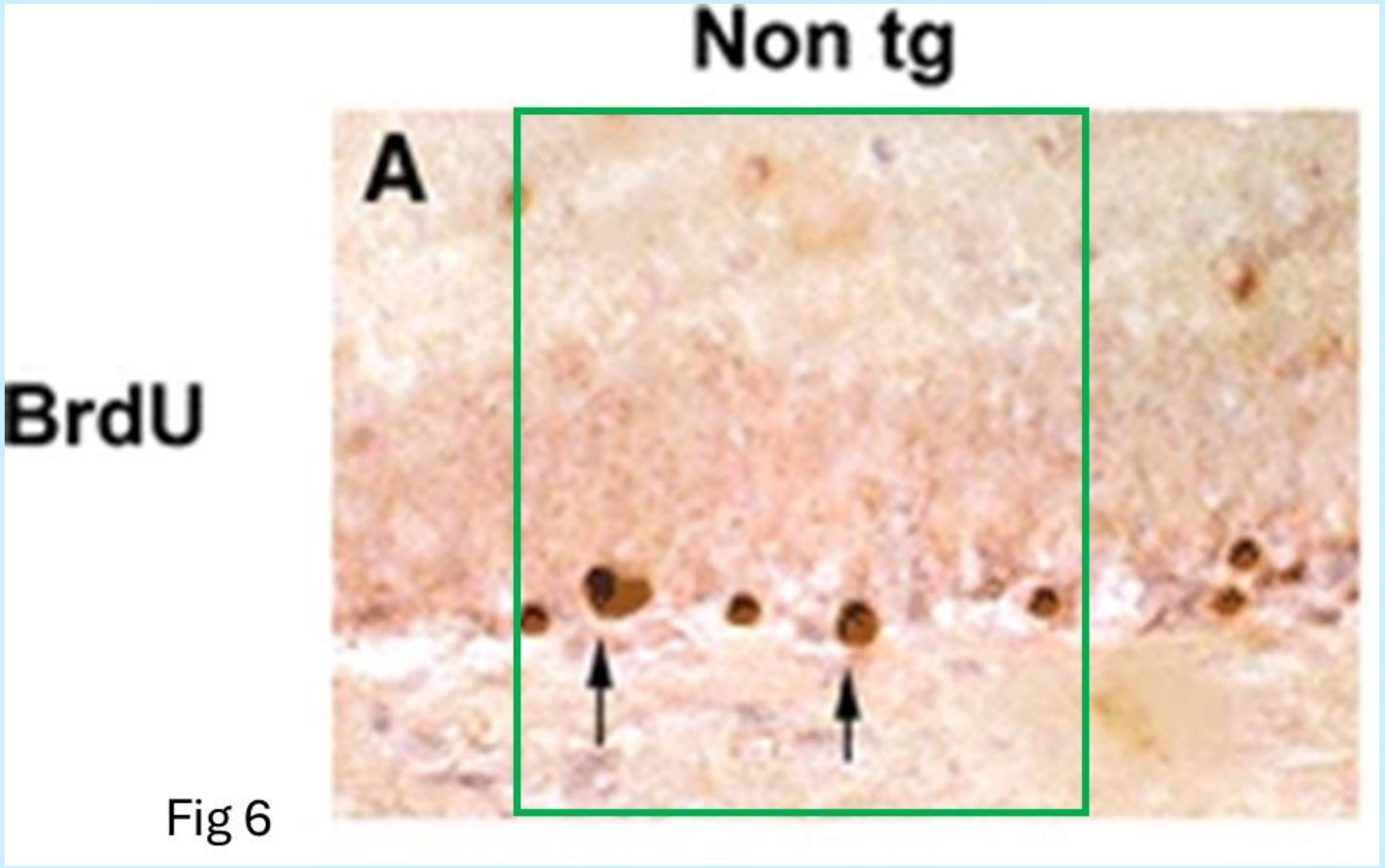


Fig 6

Brain. 2013 Feb;136(Pt 2):412-32. doi: 10.1093/brain/aws358.

A progressive dopaminergic phenotype associated with neurotoxic conversion of α-synuclein in BAC-transgenic rats

Silke Nuber [1], Florian Harmuth, Zacharias Kohl, Anthony Adame, Margaritha Trejo, Kai Schönig, Frank Zimmermann, Claudia Bauer, Nicolas Casadei, Christiane Giel, Carsten Calaminus, Bernd J Pichler, Poul H Jensen, Christian P Müller, Davide Amato, Johannes Kornhuber, Peter Teismann, Hodaka Yamakado, Ryosuke Takahashi, Juergen Winkler, Eliezer Masliah, Olaf Riess

Affiliations + expand

PMID: 23413261 PMCID: PMC3572936 DOI: 10.1093/brain/aws358

2013 Rats

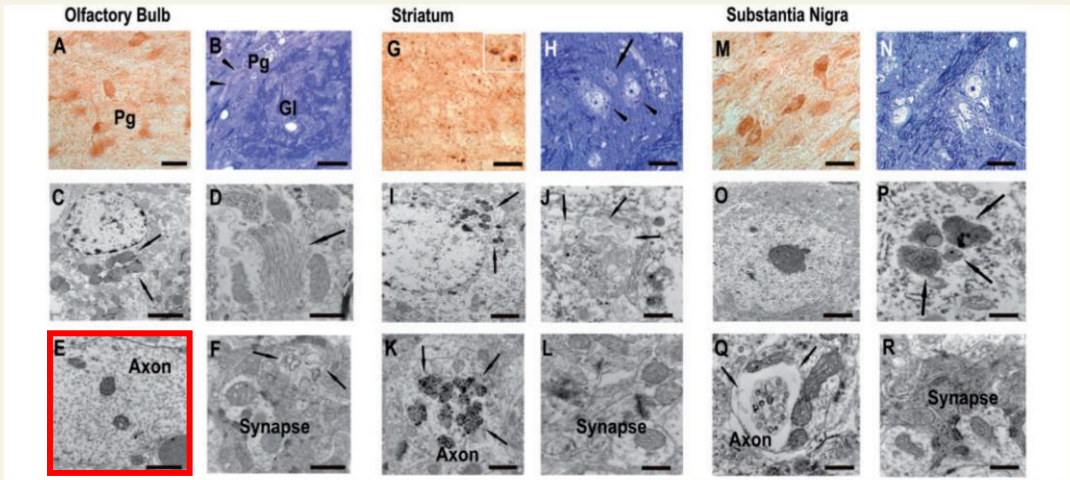


Figure 9 Ultrastructural analyses revealed axonal and synaptic pathology and dark-cell degeneration in BAC synuclein transgenic rats. Semi-thin sections showed numerous α-synuclein immunopositive periglomerular (Pg), dopaminergic neurons in (**A**) glomerular layer (Gl) of olfactory bulb and (**M**) substantia nigra pars compacta surrounded by nerve fibres, presenting dot-like immunoreactive deposits as also prominently detected in numerous dilated spheroids of the striatum (**G**). Adjacent toluidine blue-counterstained semi-thin sections displayed shrunken dark degenerated neurons as depicted in **B** (arrow head) and **H** (arrow), filled with cytoplasmic dark blue granular deposits (arrowheads in **B** and **H**). Higher magnification revealed characteristic features of dark cell neurodegeneration with a condensed cytoplasm (**C**, **I** and **O**), which were found to harbour accumulated lysosomes, lipid droplets, dark organelles (arrows **C**, **I** and **P**) and swollen endoplasmatic reticulum (**D** and **J**). Single dilated unmyelinated nerve fibres in the glomerular core and dorsal striatum and substantia nigra showed detachment of dark axoplasm containing numerous electron dense inclusions (**E**; arrows in **C**, **E**, **K** and **Q**) and electron dense synaptic terminal with accumulated empty vesicles (**L** and **R**, arrows in **F**). Scale bars: **A**, **G**, **M** = 15 µm; **B**, **H**, **N** = 10 µm; **C**, **I**, **O** = 3 µm; **D**, **J**, **P**, **F**, **L**, **R** = 1 µm; **E**, **K**, **Q** = 5 µm. Pg = ●●●.

PLoS One. 2015 Mar 24;10(3):e0121570. doi: 10.1371/journal.pone.0121570. eCollection 2015.

A novel triple repeat mutant tau transgenic model that mimics aspects of pick's disease and fronto-temporal tauopathies

Edward Rockenstein [1], Cassia R Overk [1], Kiren Ubhi [1], Michael Mante [1], Christina Patrick [1], Anthony Adame [1], Alejandro Bisquert [1], Margarita Trejo-Morales [1], Brian Spencer [1], Eliezer Masliah [2]

Affiliations + expand

PMID: 25803611 PMCID: PMC4372415 DOI: 10.1371/journal.pone.0121570

2015 Mice

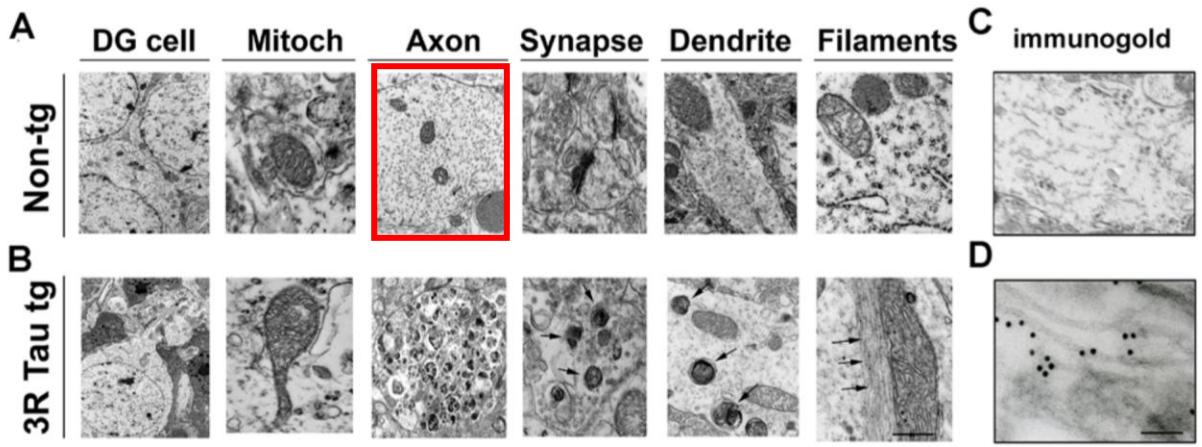


Fig 9. Ultrastructural and immunogold analyses of the neuronal alterations in the hippocampal dentate gyrus in the higher expresser mutant 3R Tau tg mice. Vibratome sections were post-fixed with glutaraldehyde and embedded in epon-araldyte, and ultra-thin sections from the hippocampus were prepared for transmitted electron microscopy (TEM) and immunogold analysis. **A.** Representative electron micrographs from the neuropil of non-tg mice displaying normal characteristics for dentate granular (DG) cells, mitochondria, axons, synapses and dendrites. **B.** In the neuropil of the higher mutant 3R Tau tg Line 13 the mitochondria were enlarged and irregular, there were extensive axonal dystrophy and accumulation of electrodense bodies in dendrites and synapses accompanied by filamentous aggregates. **C.** In the non-tg no immunogold labeling was observed. **D.** With an antibody against 3R Tau, the intra-neuronal filamentous aggregates were decorated by gold particles in the tg mice. Mice were aged 8–10 months. Bar for A and B = 1 µm, for C and D = 100 nm.

Stem Cell Research (2015) 15, 54–67

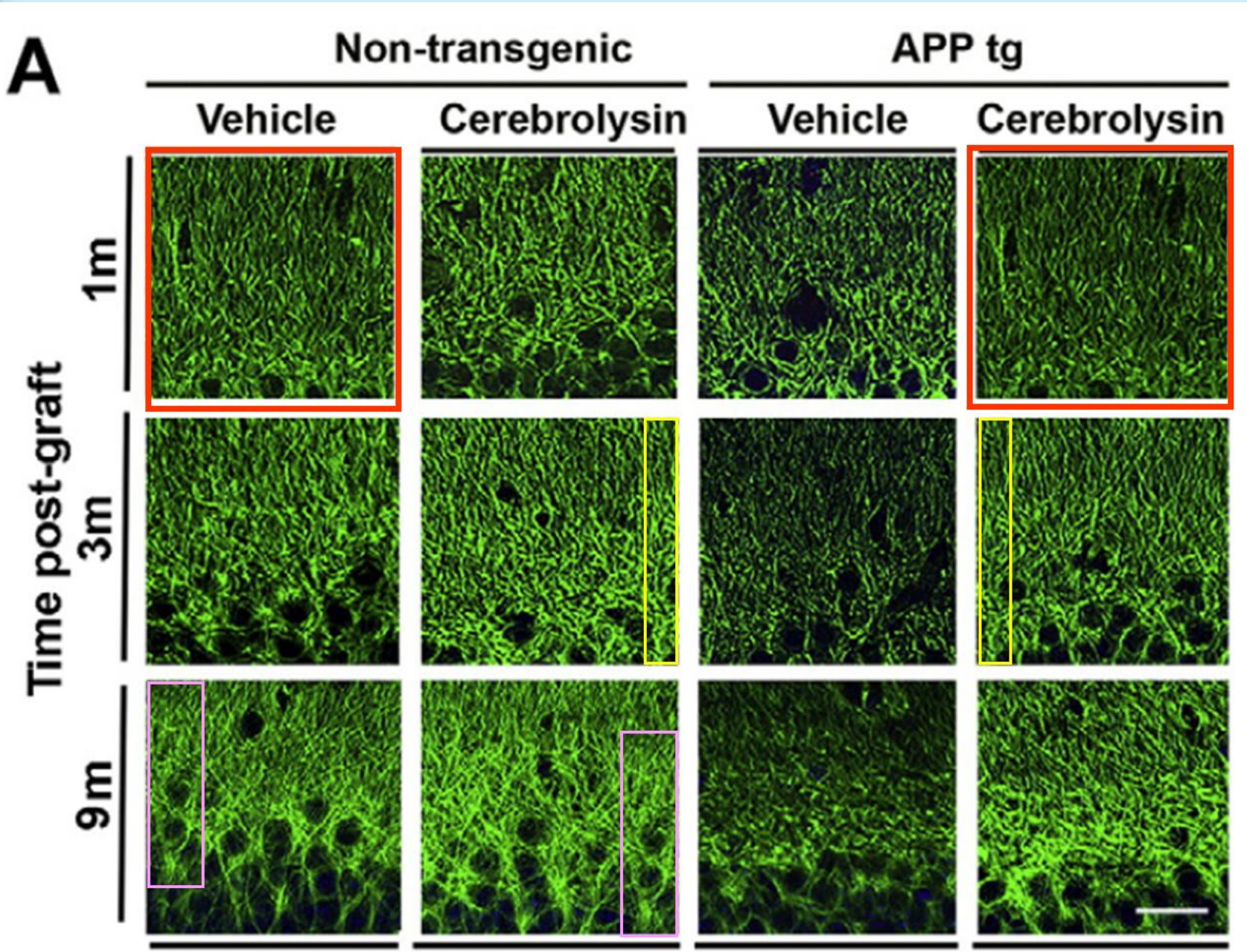
Available online at www.sciencedirect.com

ScienceDirect

www.elsevier.com/locate/scr

Neuro-peptide treatment with Cerebrolysin improves the survival of neural stem cell grafts in an APP transgenic model of Alzheimer disease☆

Edward Rockenstein[a,1], Paula Desplats[a,1], Kiren Ubhi[a], Michael Mante[a], Jazmin Florio[a], Anthony Adame[a], Stefan Winter[b], Hemma Brandstaetter[b], Dieter Meier[b], Eliezer Masliah[a,c,*]



ANNALS of Clinical and Translational Neurology
Open Access
RESEARCH ARTICLE

α-synuclein conformational antibodies fused to penetratin are effective in models of Lewy body disease

Brian Spencer[1], Stephanie Williams[2], Edward Rockenstein[1], Elvira Valera[1], Wei Xin[2], Michael Mante[1], Jazmin Florio[1], Anthony Adame[1], Eliezer Masliah[1,3] & Michael R. Sierks[2]

[1]Department of Neuroscience, University of California, San Diego, California
[2]Department of Chemical Engineering, Arizona State University, Tempe, Arizona
[3]Department of Pathology, University of California, San Diego, California

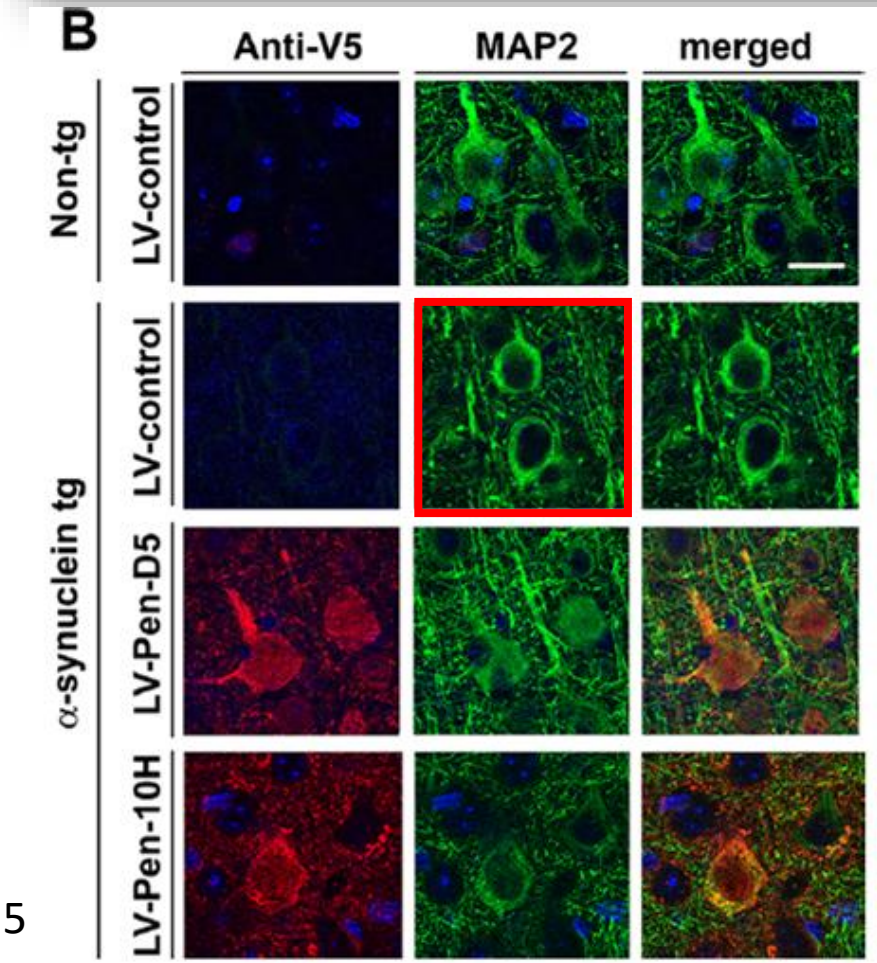


Fig 5

Fields et al. Journal of Neuroinflammation (2016) 13:120
DOI 10.1186/s12974-016-0585-8

Journal of Neuroinflammation

RESEARCH
Open Access

Neuroprotective effects of the immunomodulatory drug FK506 in a model of HIV1-gp120 neurotoxicity

Jerel A. Fields[1], Cassia Overk[2], Anthony Adame[2], Jazmin Florio[2], Michael Mante[2], Andrea Pineda[2], Paula Desplats[2], Edward Rockenstein[2], Cristian Achim[3] and Eliezer Masliah[1,2*]

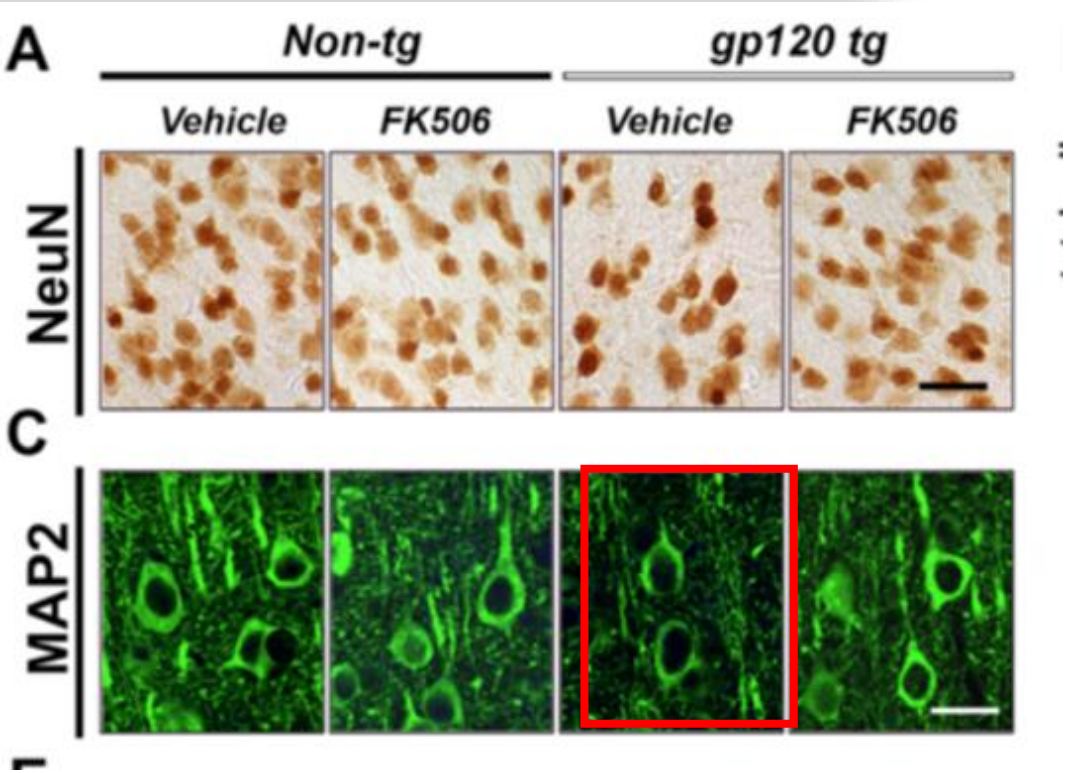


Fig 1

2014,2016

Rockenstein et al. BMC Neuroscience 2014, 15:90
http://www.biomedcentral.com/1471-2202/15/90

BMC Neuroscience

RESEARCH ARTICLE Open Access

Cerebrolysin™ efficacy in a transgenic model of tauopathy: role in regulation of mitochondrial structure

Edward Rockenstein[1], Kiren Ubhi[1], Margarita Trejo[1], Michael Mante[1], Christina Patrick[1], Anthony Adame[1], Philipp Novak[2], Marion Jech[2], Edith Doppler[2], Herbert Moessler[2] and Eliezer Masliah[1,3*]

Neurotox Res. 2016 May;29(4):583-593. doi: 10.1007/s12640-016-9608-6. Epub 2016 Mar 2.

The HIV Protein gp120 Alters Mitochondrial Dynamics in Neurons

Valeria Avdoshina [# 1], Jerel Adam Fields [# 2], Paul Castellano [3], Simona Dedoni [1], Guillermo Palchik [4], Margarita Trejo [2], Anthony Adame [2], Edward Rockenstein [2], Eliseo Eugenin [3], Eliezer Masliah [2 5], Italo Mocchetti [1]

Affiliations + expand

PMID: 26936603 PMCID: PMC4821687 DOI: 10.1007/s12640-016-9608-6

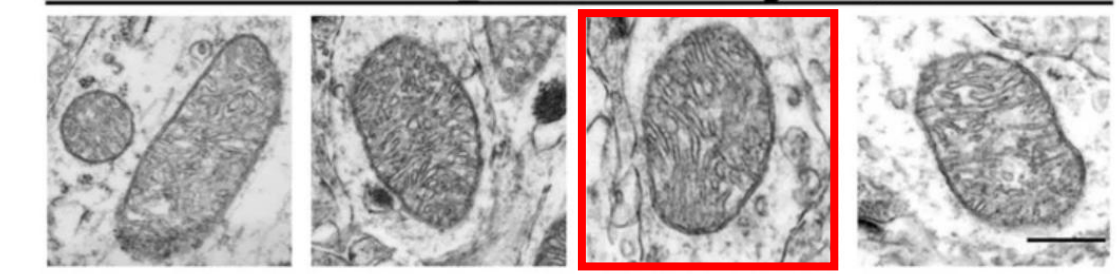


Fig 6C

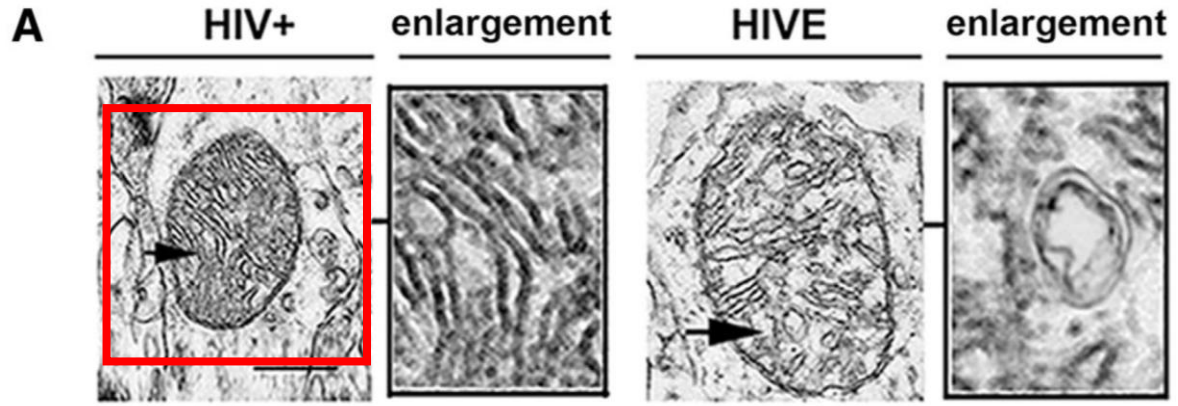


Fig 1A: The HIV+ image was from a 2014 study, differently cropped. Experimental conditions are completely different.

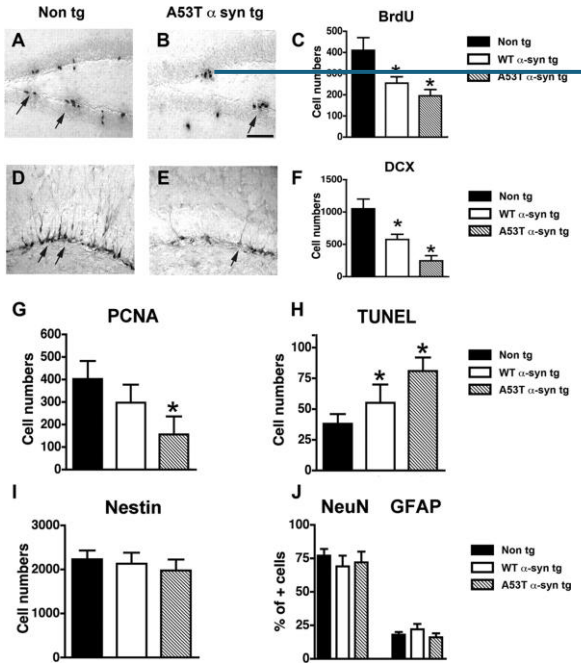
Comparative Study > J Neurosci. 2008 Apr 16;28(16):4250-60.
doi: 10.1523/JNEUROSCI.0066-08.2008.

Alpha-synuclein alters Notch-1 expression and neurogenesis in mouse embryonic stem cells and in the hippocampus of transgenic mice

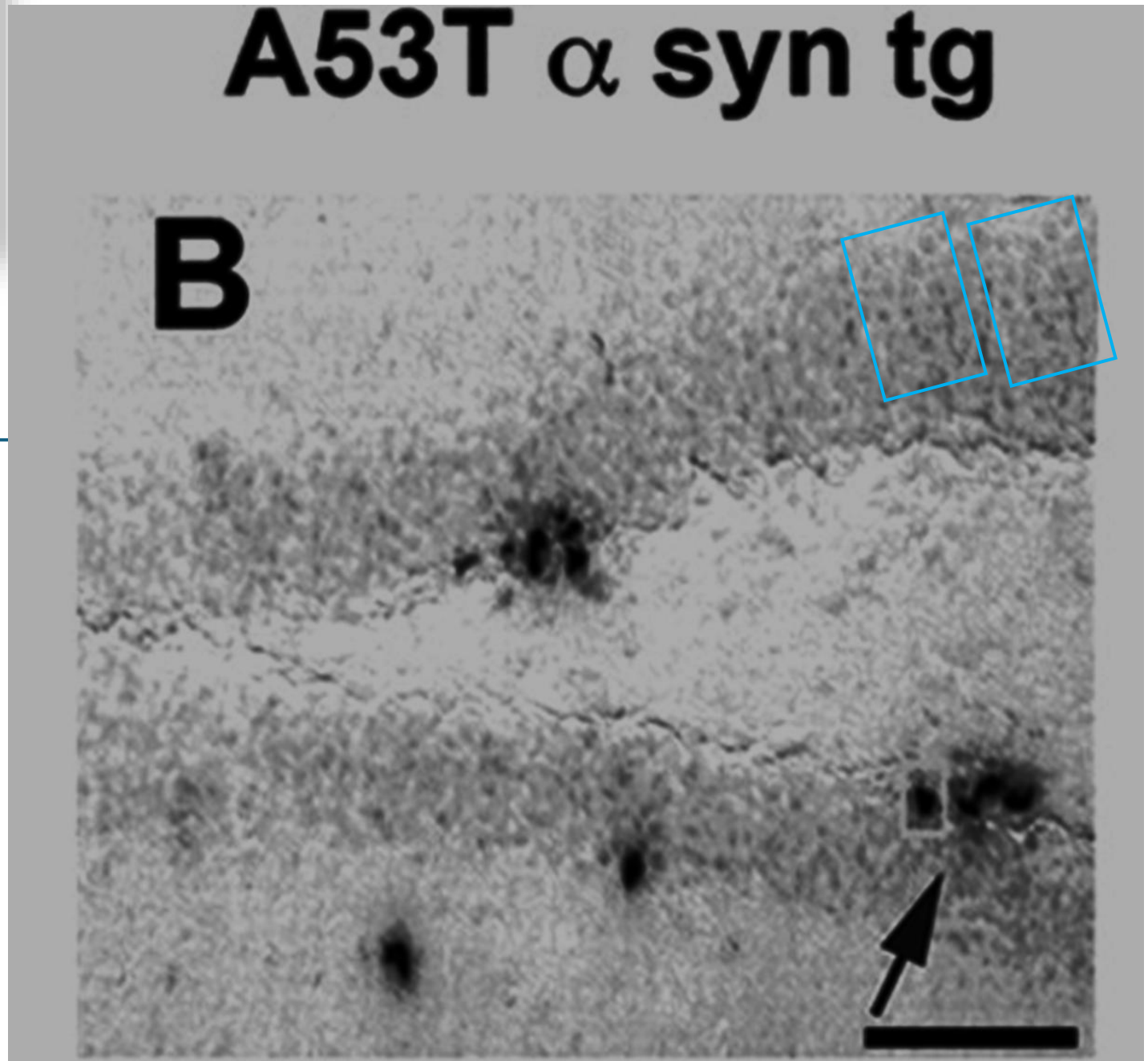
Leslie Crews [1], Hideya Mizuno, Paula Desplats, Edward Rockenstein, Anthony Adame, Christina Patrick, Beate Winner, Juergen Winkler, Eliezer Masliah

Affiliations + expand

PMID: 18417705 PMCID: PMC2666311 DOI: 10.1523/JNEUROSCI.0066-08.2008



NOT in the NIH dossier



Comparative Study > J Neurosci. 2008 Apr 16;28(16):4250-60.

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Affiliations + expand

PMID: 18417705 PMCID: PMC2666311 DOI: 10.1523/JNEUROSCI.0066-08.2008

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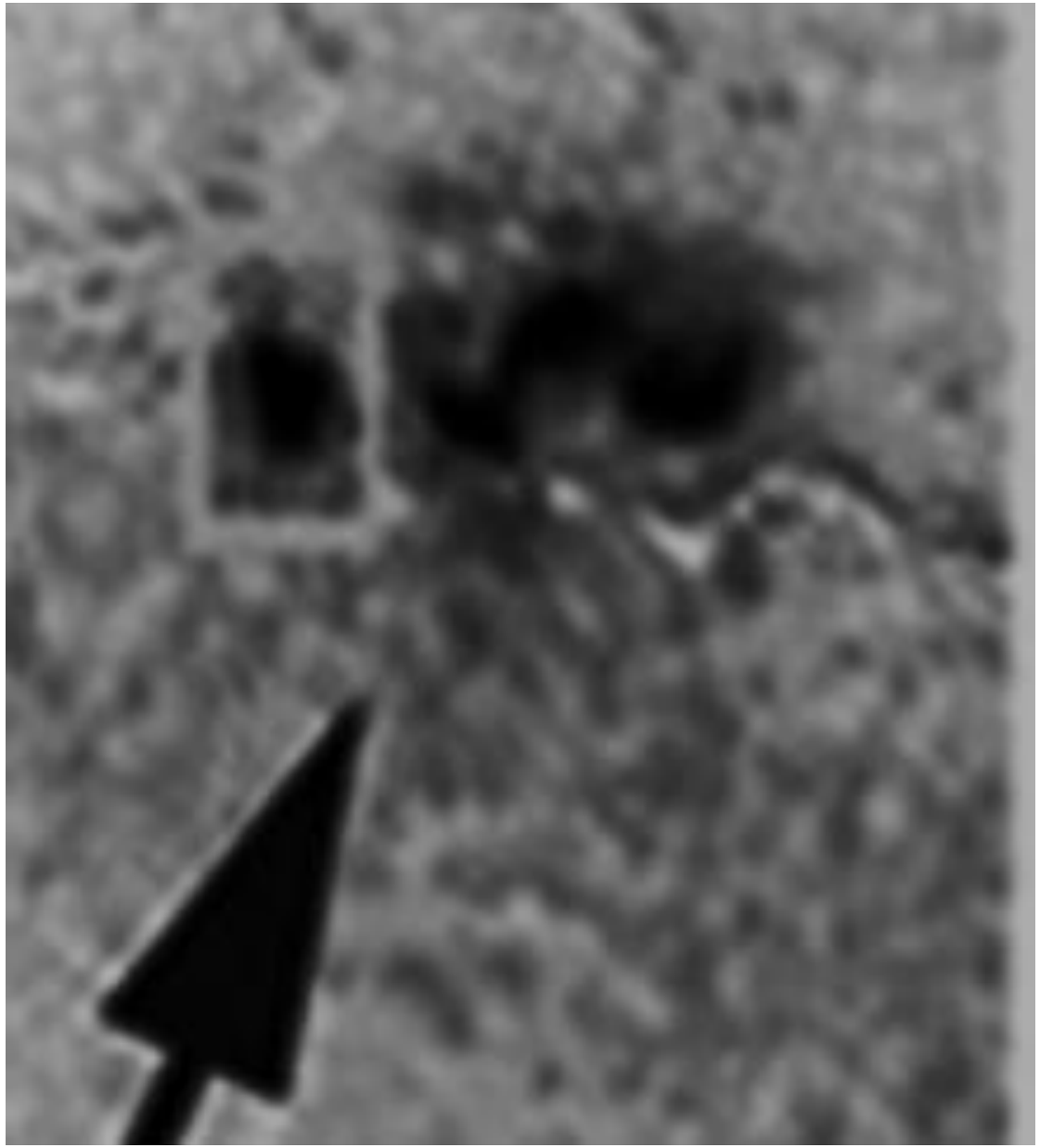
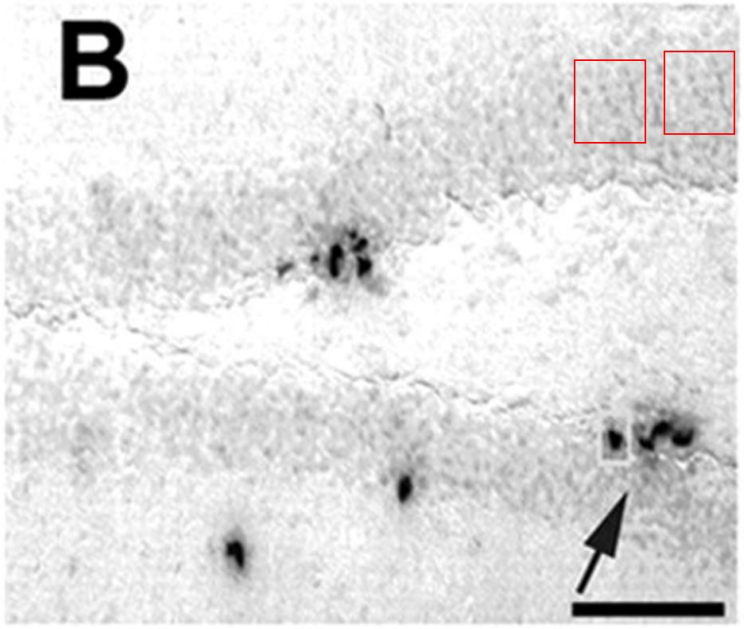


A53T α syn tg



› Mol Ther. 2013 Jan;21(1):31-41. doi: 10.1038/mt.2012.66. Epub 2012 Apr 17.

Lentivirus mediated delivery of neurosin promotes clearance of wild-type α-synuclein and reduces the pathology in an α-synuclein model of LBD

Brian Spencer [1], Sarah Michael, Jay Shen, Kori Kosberg, Edward Rockenstein, Christina Patrick, Anthony Adame, Eliezer Masliah

Affiliations + expand

PMID: 22508489 PMCID: PMC3538325 DOI: 10.1038/mt.2012.66

NOT in the NIH dossier

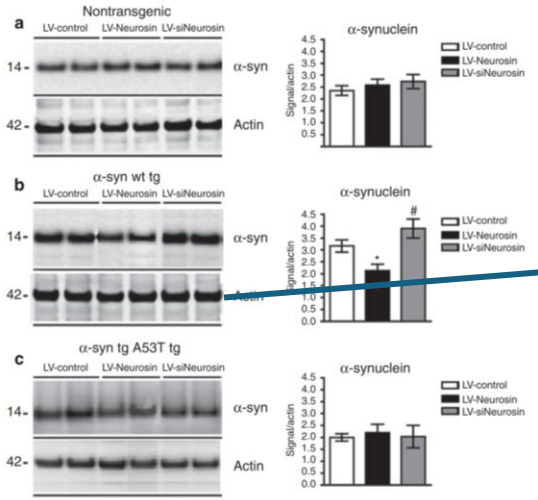
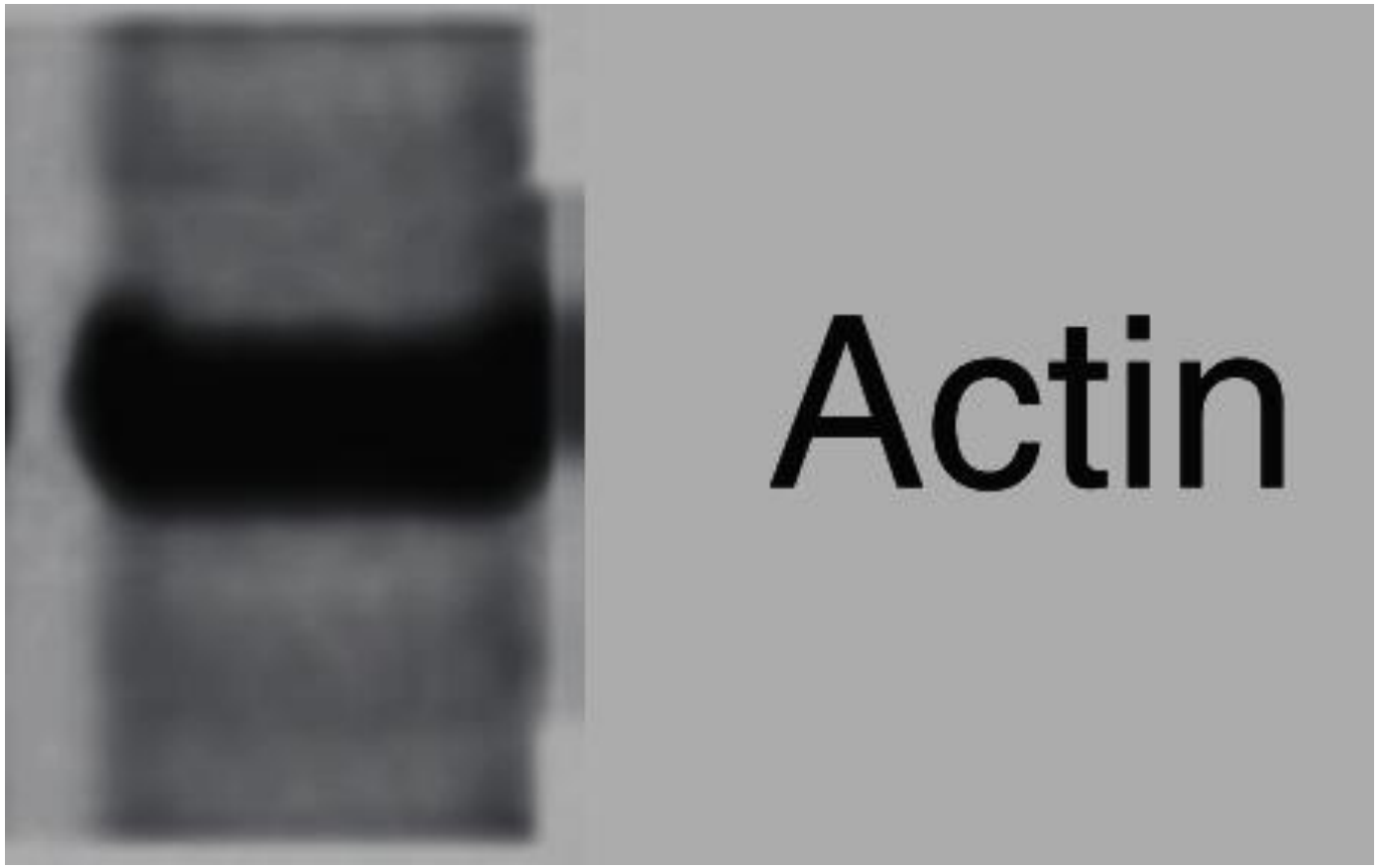


Figure 6 Immunoblot analyses of the levels of α-synuclein (α-syn) mice treated with lentiviral vector (LV)-Neurosin. The neocortex and hippocampus around the injection site were dissected (~50 mg of tissue), homogenized and analyzed by western blot 3 months after injection of LV-Control, LV-Neurosin, or LV-siNeurosin in (**a**) non-tg and α-syn [(**b**) wild type and (**c**) A53T mutant] transgenic (tg) mice. Blots were probed with the anti-α-syn BD Bioscience antibody. Image analysis for the α-syn signal was plotted against the actin signal. Levels of α-syn immunoreactivity were reduced in α-syn wild-type tg mice treated with LV-Neurosin but not in the A53T tg mice. *Statistical significance ($P < 0.05$, one-way ANOVA, *post-hoc* Dunnet's) compared to LV-Control-treated mice. #Statistical significance ($P < 0.05$, one-way ANOVA, *post-hoc* Tukey–Krammer) compared to LV-Neurosin-treated mice. $N = 6$ mice per group, 9 months of age.



Neurotox Res. 2016 May;29(4):583-593. doi: 10.1007/s12640-016-9608-6. Epub 2016 Mar 2.

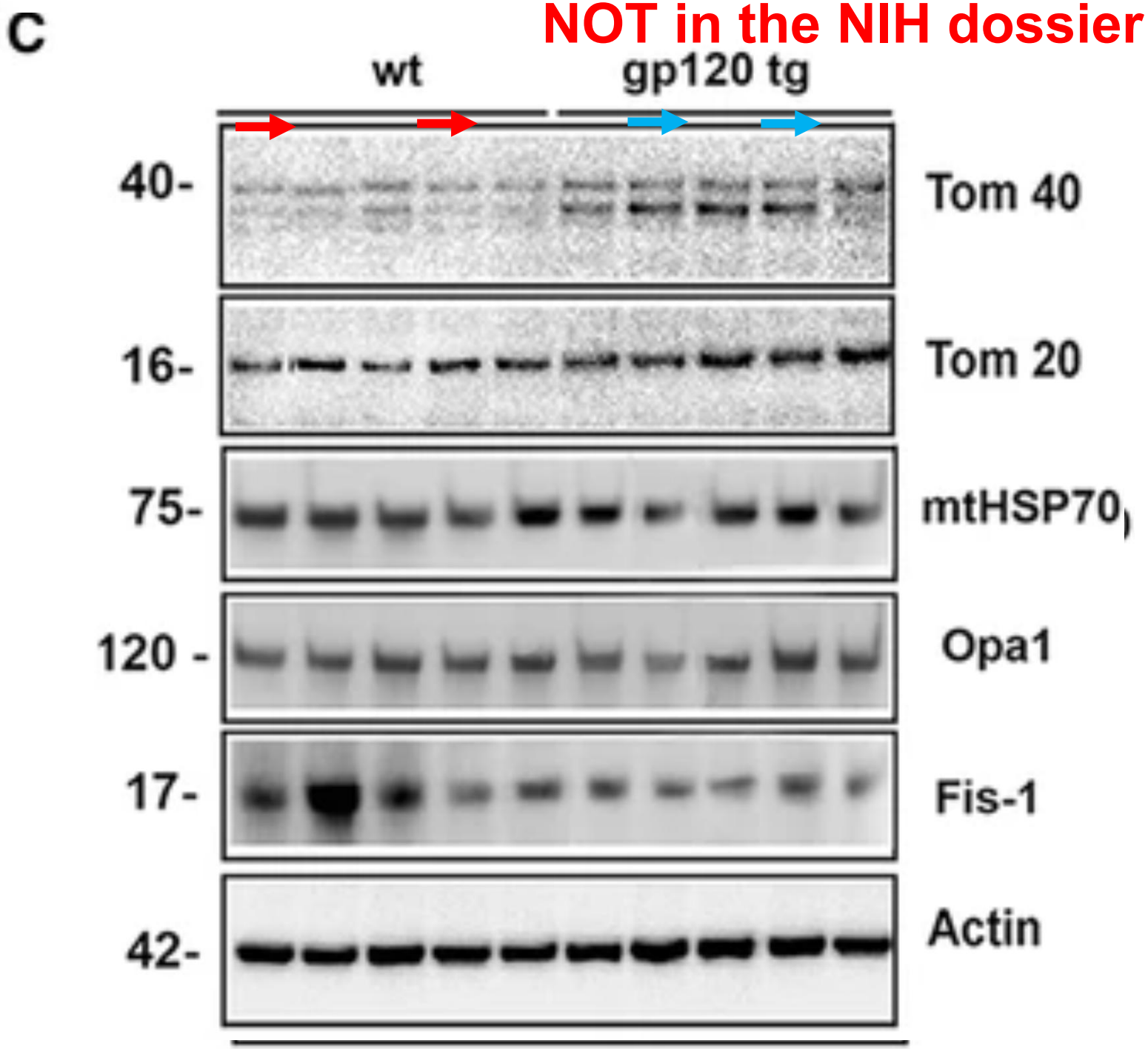
The HIV Protein gp120 Alters Mitochondrial Dynamics in Neurons

Valeria Avdoshina [# 1], Jerel Adam Fields [# 2], Paul Castellano [3], Simona Dedoni [1], Guillermo Palchik [4], Margarita Trejo [2], Anthony Adame [2], Edward Rockenstein [2], Eliseo Eugenin [3], Eliezer Masliah [2 5], Italo Mocchetti [1]

Affiliations + expand

PMID: 26936603 PMCID: PMC4821687 DOI: 10.1007/s12640-016-9608-6

NOT in the NIH dossier



NOT in the NIH dossier

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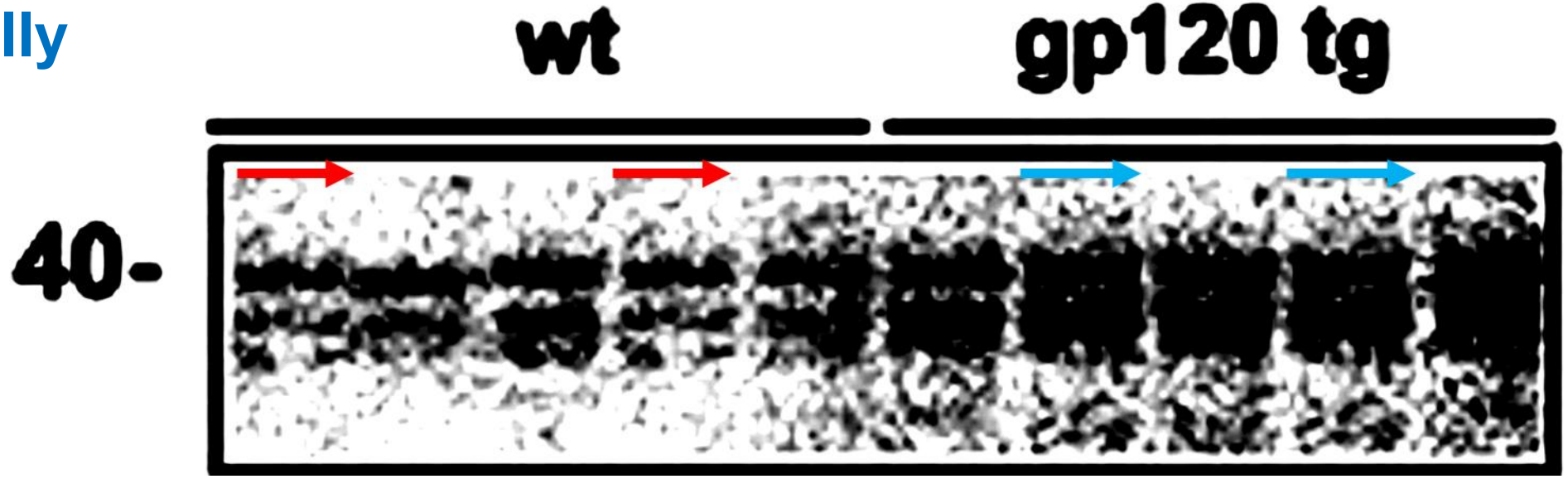
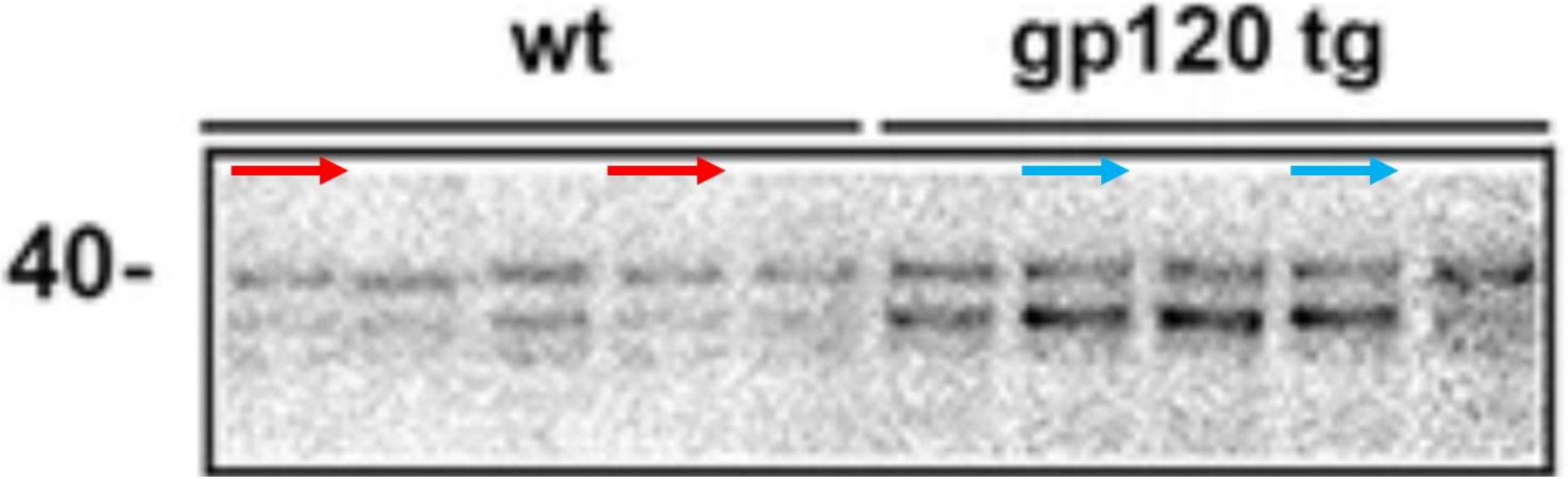
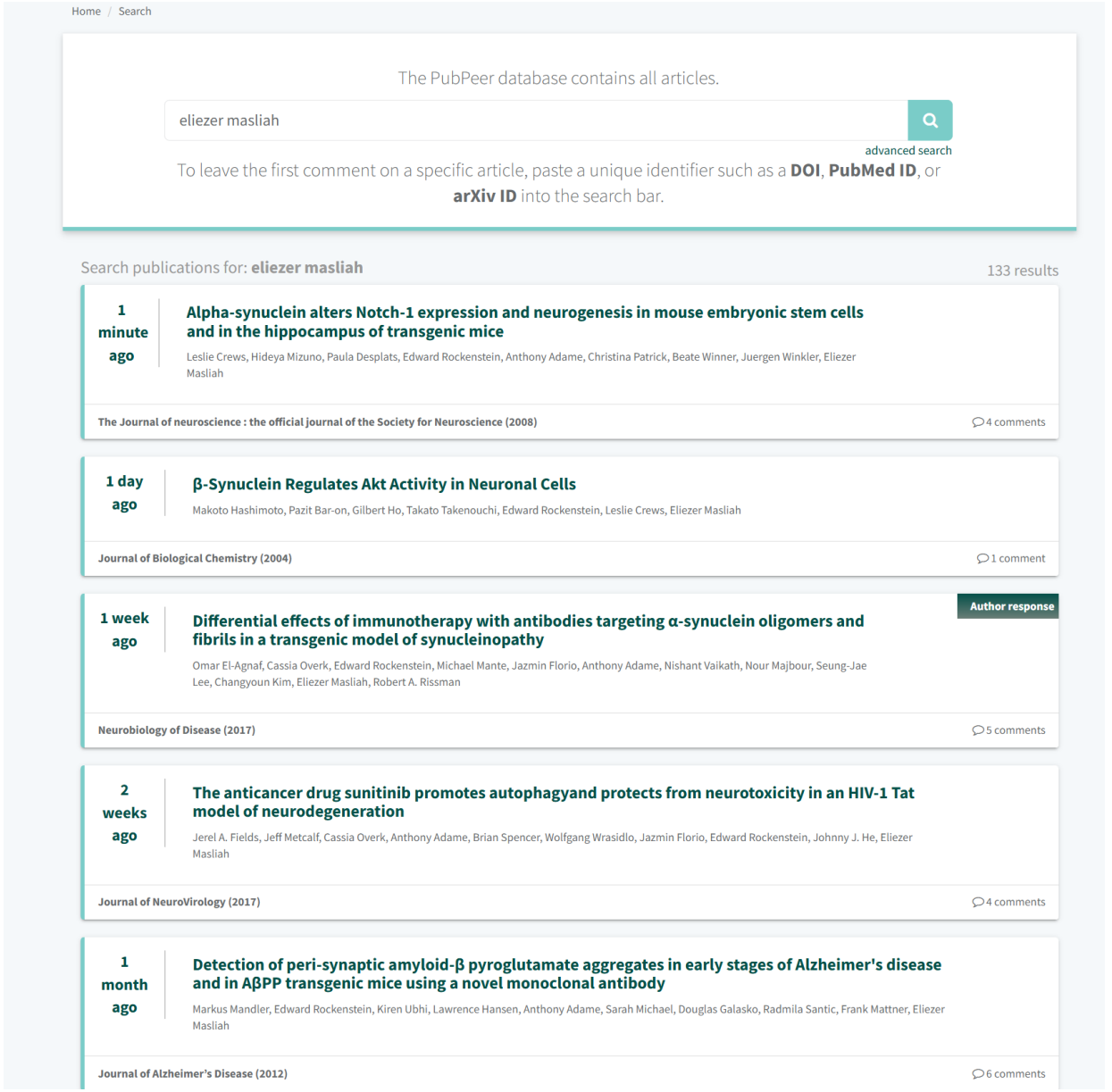




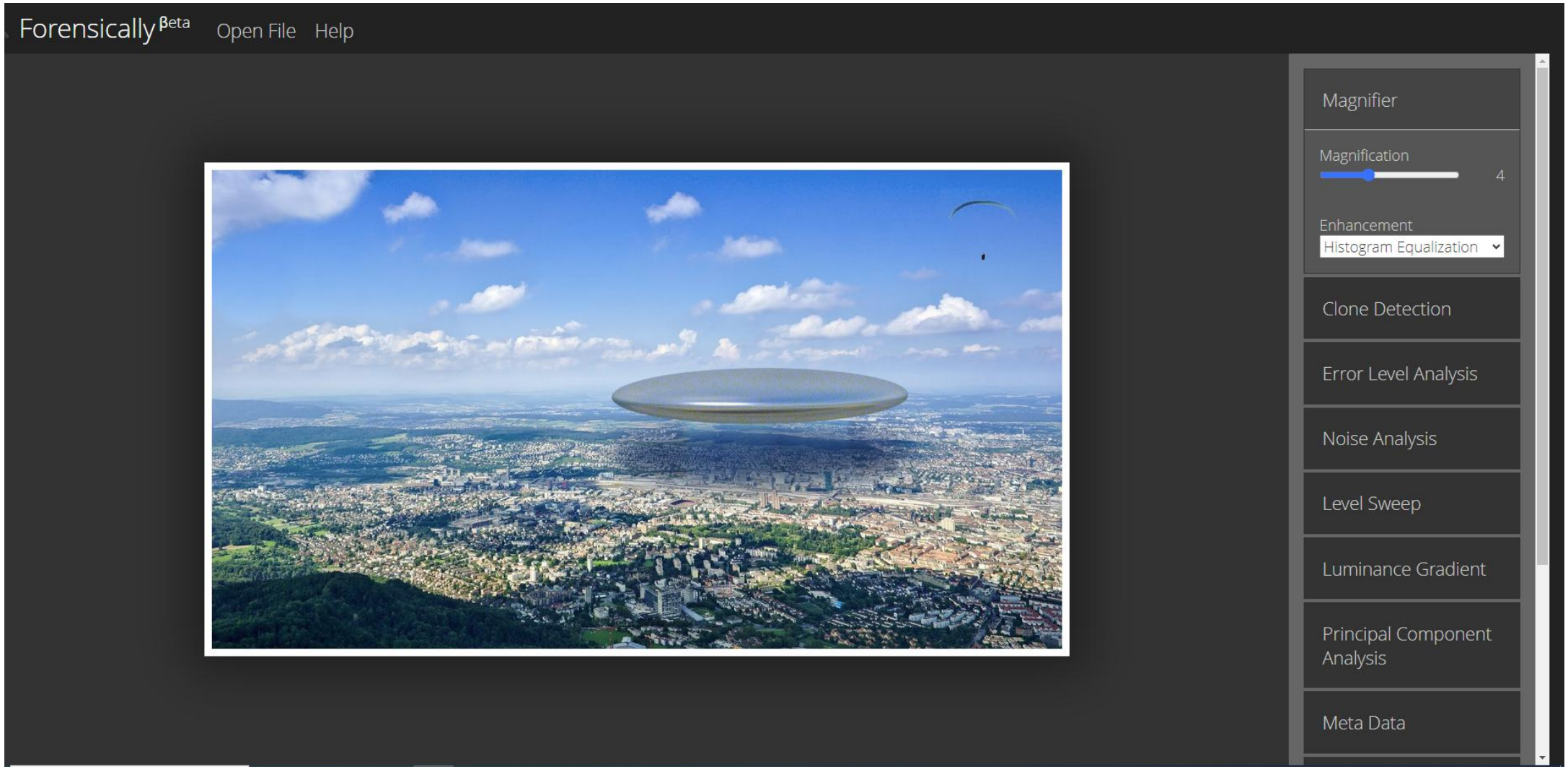
Check Pubpeer for the all evidence



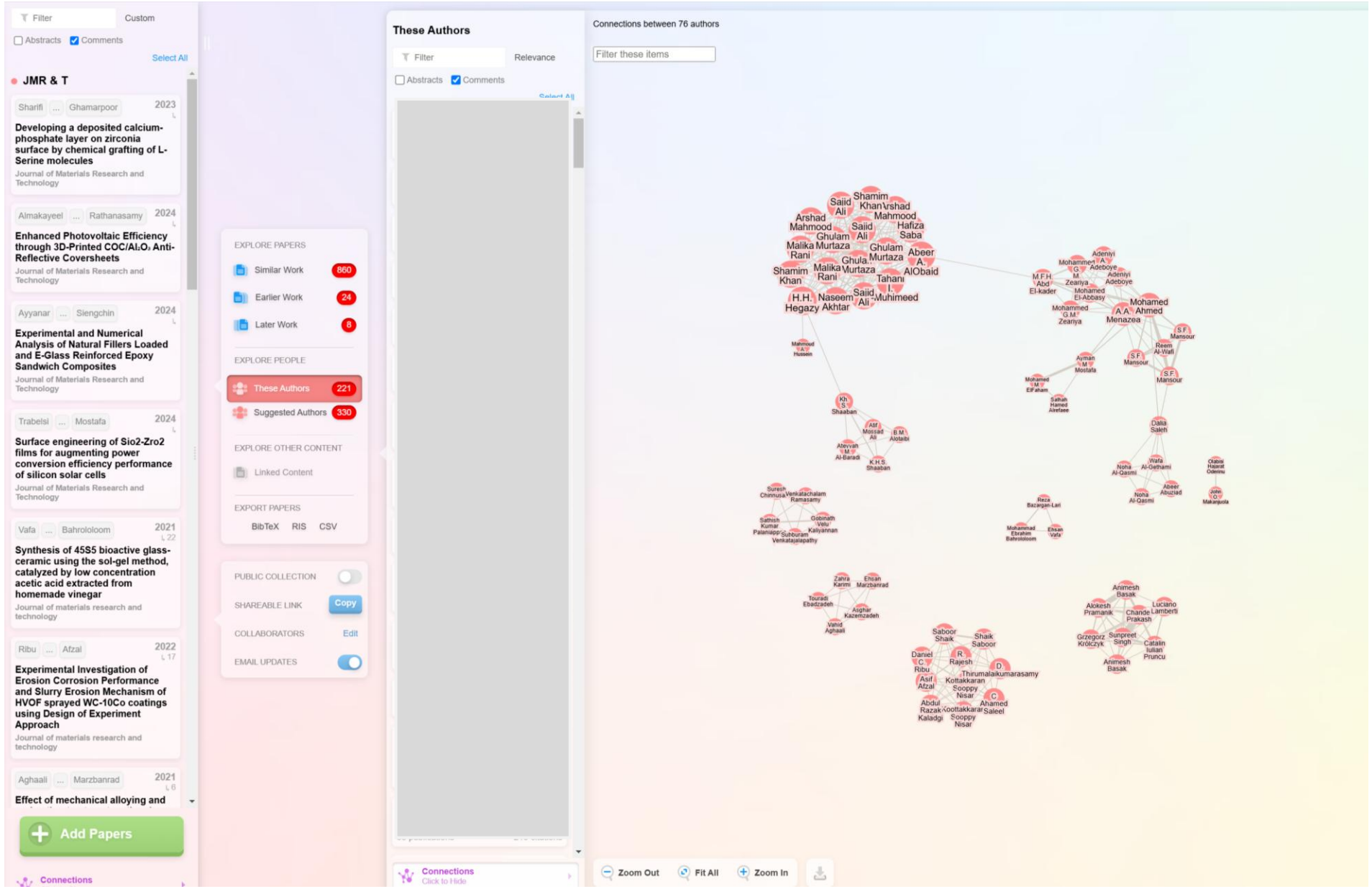
Recent effort

Papermills, Journals (chemistry, material sciences etc.)

Forensically (free)



Research Rabbit (free)



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Optical Materials 153 (2024) 115559

Contents lists available at ScienceDirect

Optical Materials

journal homepage: www.elsevier.com/locate/optmat

Research Article

Significant influence of La_2O_3 content on synthesis, physical, structural, optical, thermal, and radiation shielding characteristics properties of $Na_2O–B_2O_3–Bi_2O_3–SiO_2$ glasses for optoelectronic applications

Fig 2: All the traces appear identical

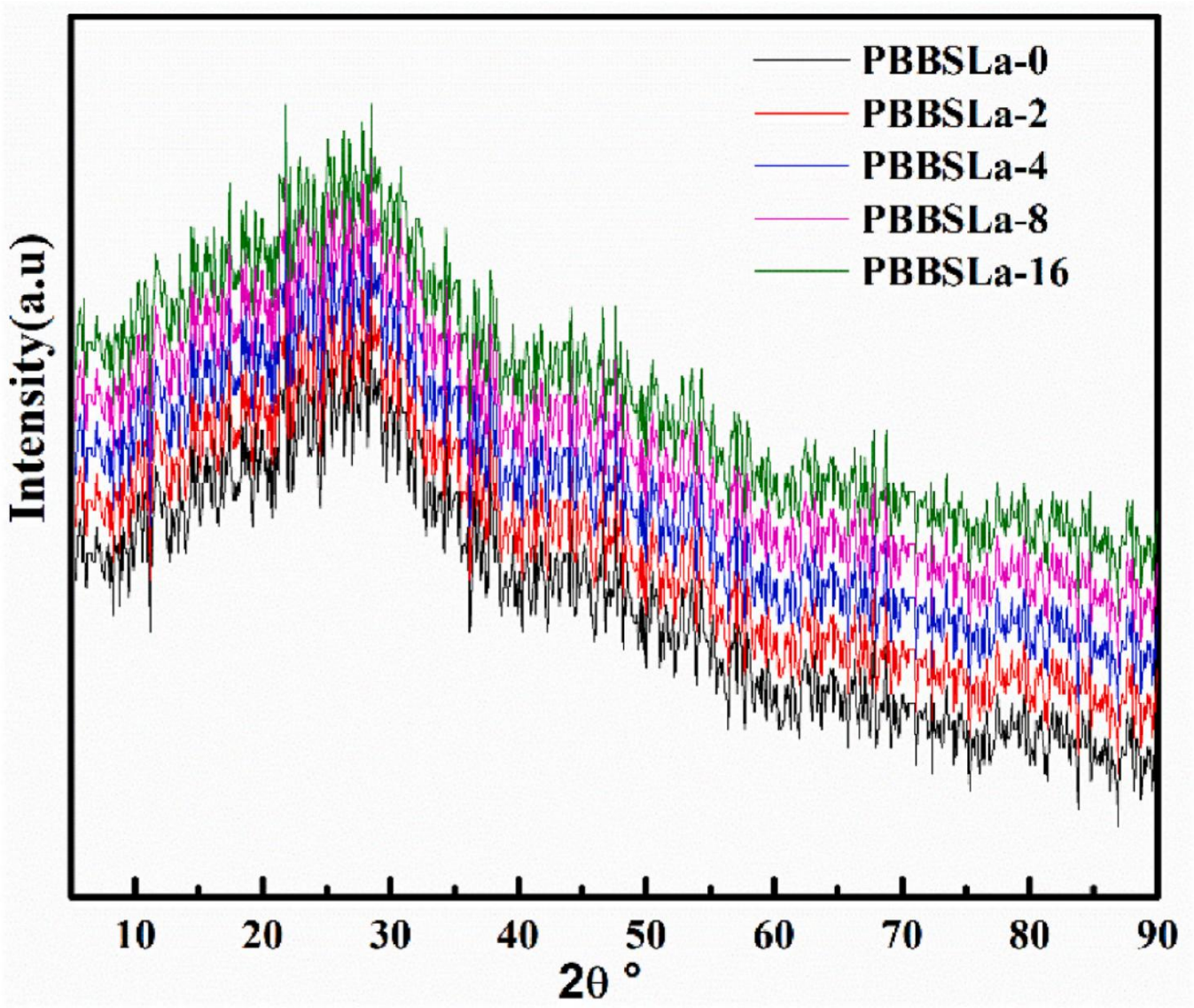


Fig. 2. XRD of PBBSLa samples.

Applied Physics A (2020) 126:804
https://doi.org/10.1007/s00339-020-03982-9

Applied Physics A
Materials Science & Processing

Mechanical and radiation-shielding properties of B_2O_3–P_2O_5–Li_2O–MoO_3 glasses

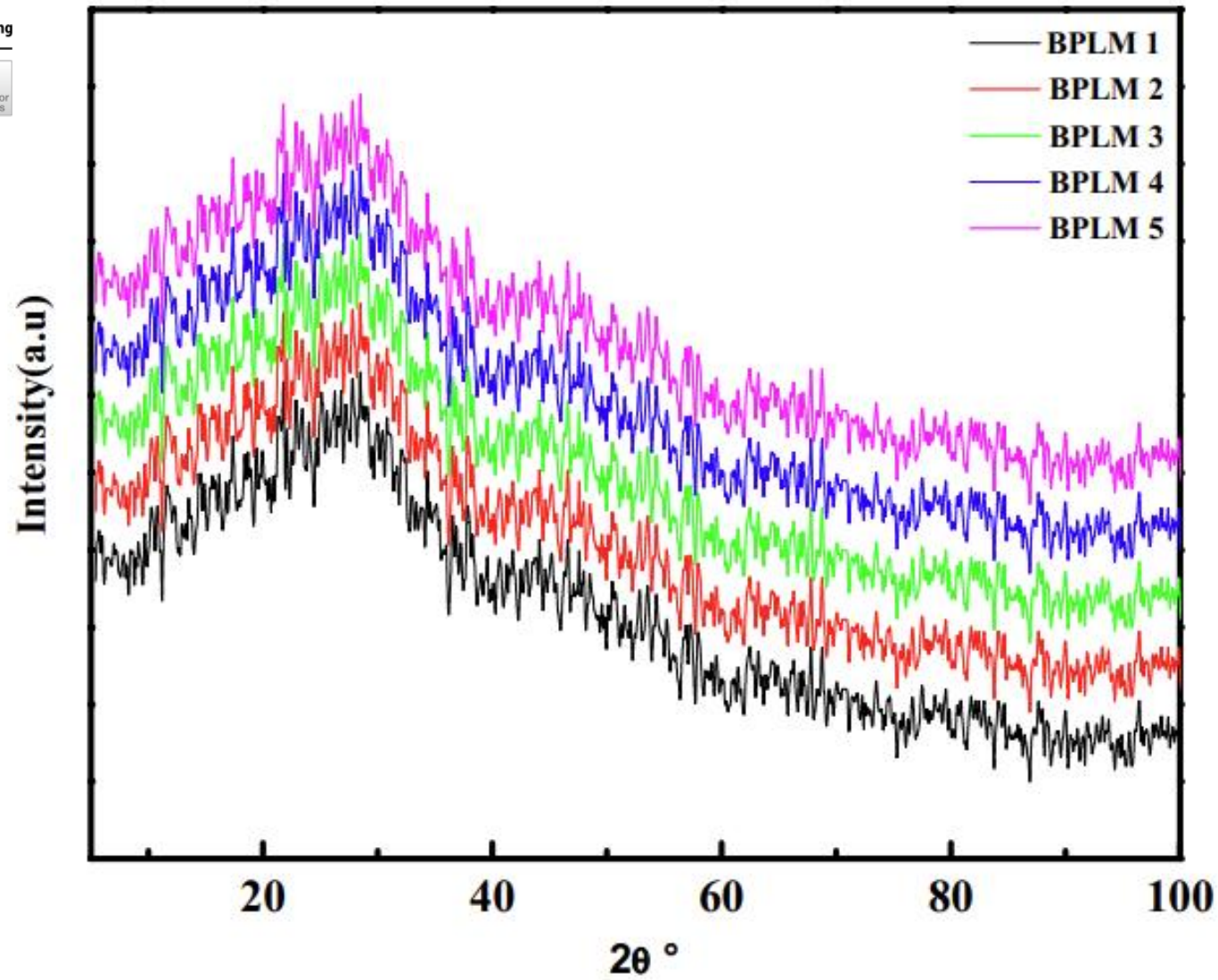


Fig. 1 XRD of the studied glasses

Fuel 285 (2021) 119148

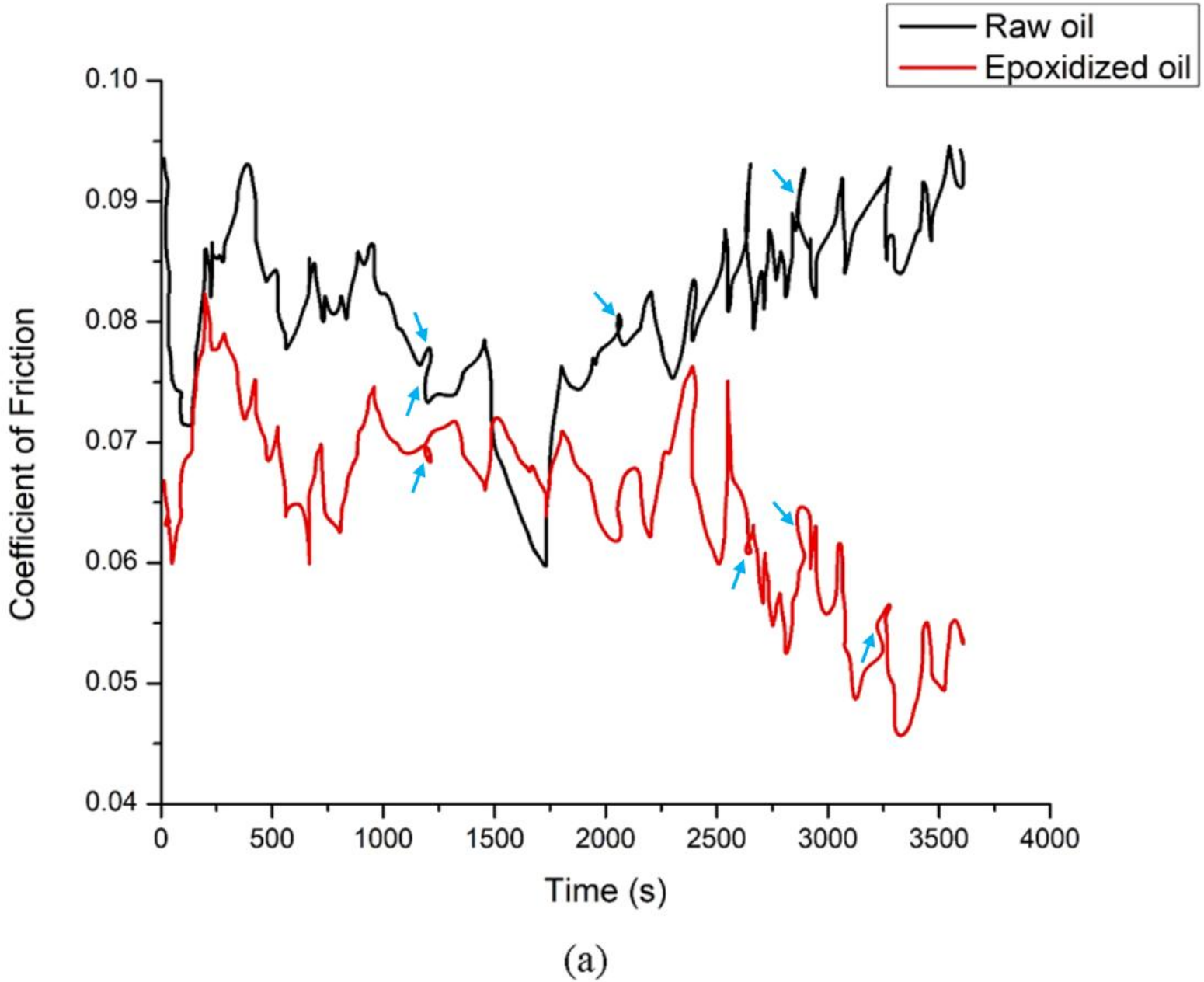
Contents lists available at ScienceDirect

Fuel

journal homepage: www.elsevier.com/locate/fuel

Full Length Article

Effect of ZnO nanoparticles concentration as additives to the epoxidized *Euphorbia Lathyris* oil and their tribological characterization



(a)

Surface & Coatings Technology 346 (2018) 9–18

Contents lists available at ScienceDirect

Surface & Coatings Technology

journal homepage: www.elsevier.com/locate/surfcoat

Synthesis, characterization, corrosion and bioactivity investigation of nano-HA coating deposited on biodegradable Mg-Zn-Mn alloy

Fig 1b in the Prakash paper and Fig 1b in the Singh paper are identical, but representing different materials

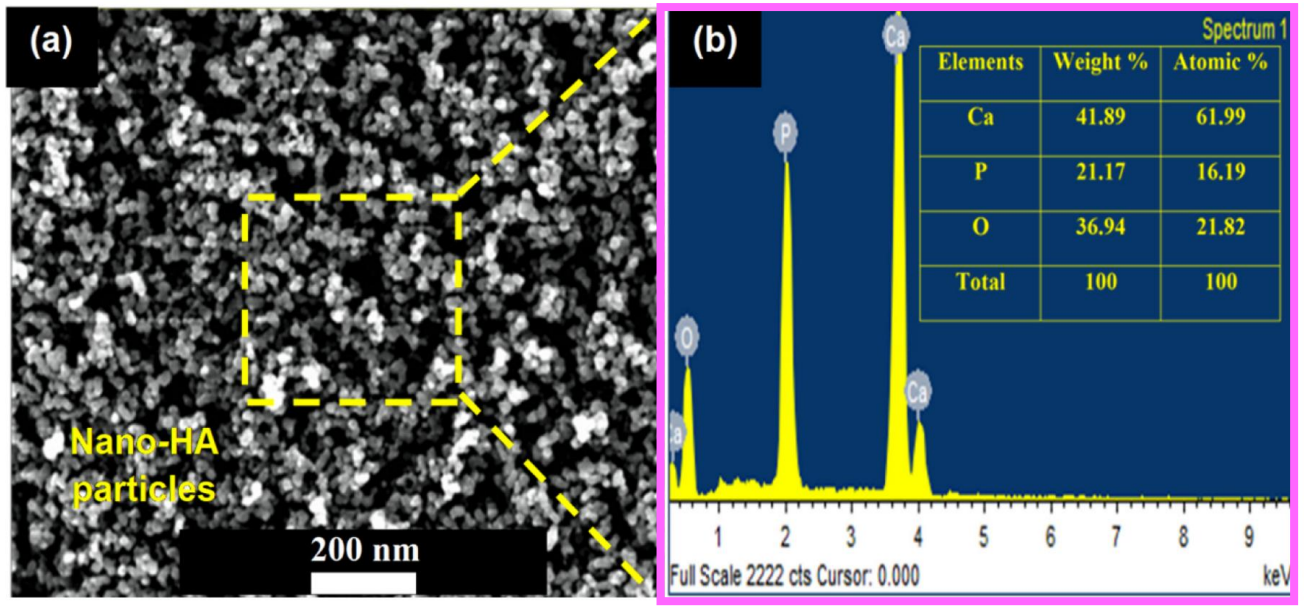


Fig. 1. SEM photograph showing (a) the morphology of nano-hydroxyapatite powder and (b) the corresponding EDS spectrum.

Surface & Coatings Technology 398 (2020) 126072

Contents lists available at ScienceDirect

Surface & Coatings Technology

journal homepage: www.elsevier.com/locate/surfcoat

Deposition of HA-TiO_2 by plasma spray on β-phase Ti-35Nb-7Ta-5Zr alloy for hip stem: Characterization, mechanical properties, corrosion, and in-vitro bioactivity

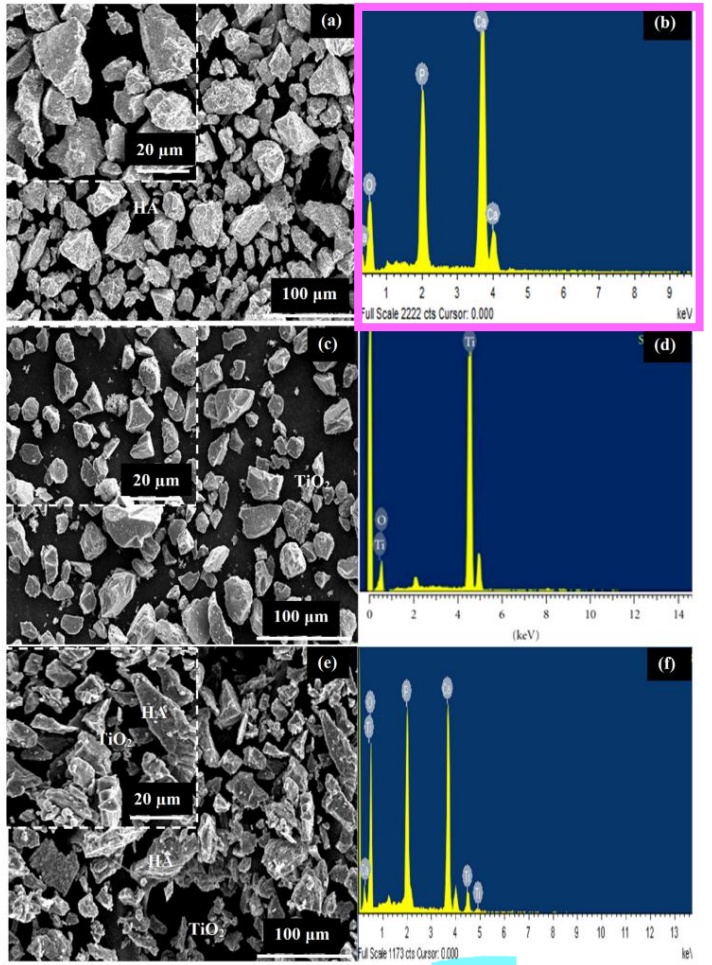


Fig. 1. SEM image and EDS spectrum of raw powder and feedstock: (a–b) HA, (c–d) TiO_2, (e–f) HA-TiO_2.

Journal of Molecular Structure 1249 (2022) 131534

Contents lists available at ScienceDirect

Journal of Molecular Structure

journal homepage: www.elsevier.com/locate/molstr

Green synthesis and antibacterial, antifungal activities of 4H-pyra
tetrahydro-4H-chromenes and spiro2-oxindole derivatives by high
efficient $Fe_3O_4@SiO_2@NH_2@Pd(OCOCH_3)_2$ nanocatalyst

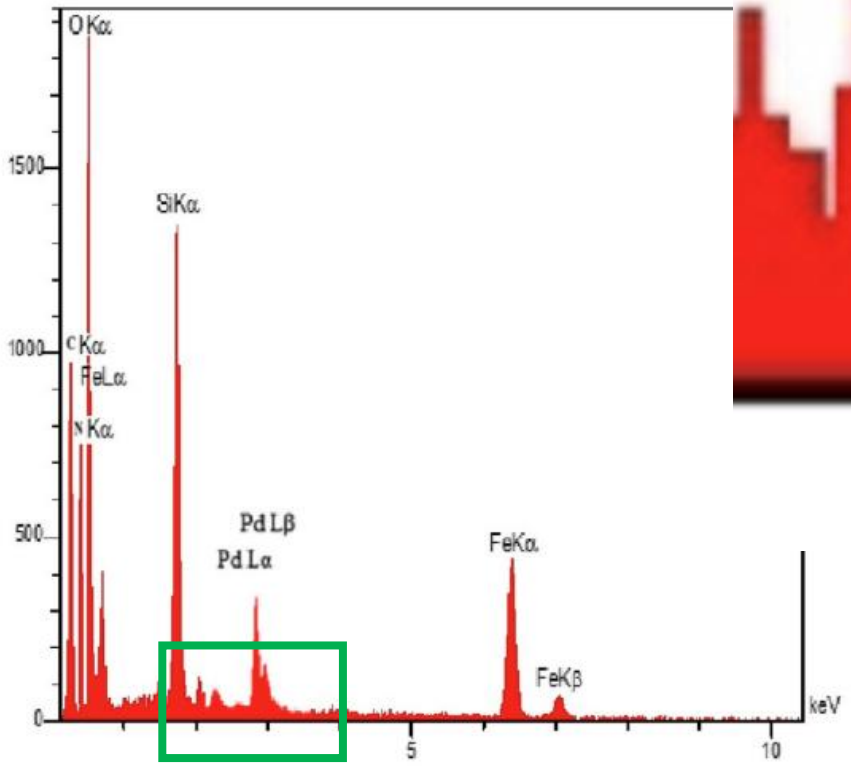


Fig. 5. EDS pattern of $Fe_3O_4@SiO_2@PrNH_2@Pd(OCOCH_3)_2$.

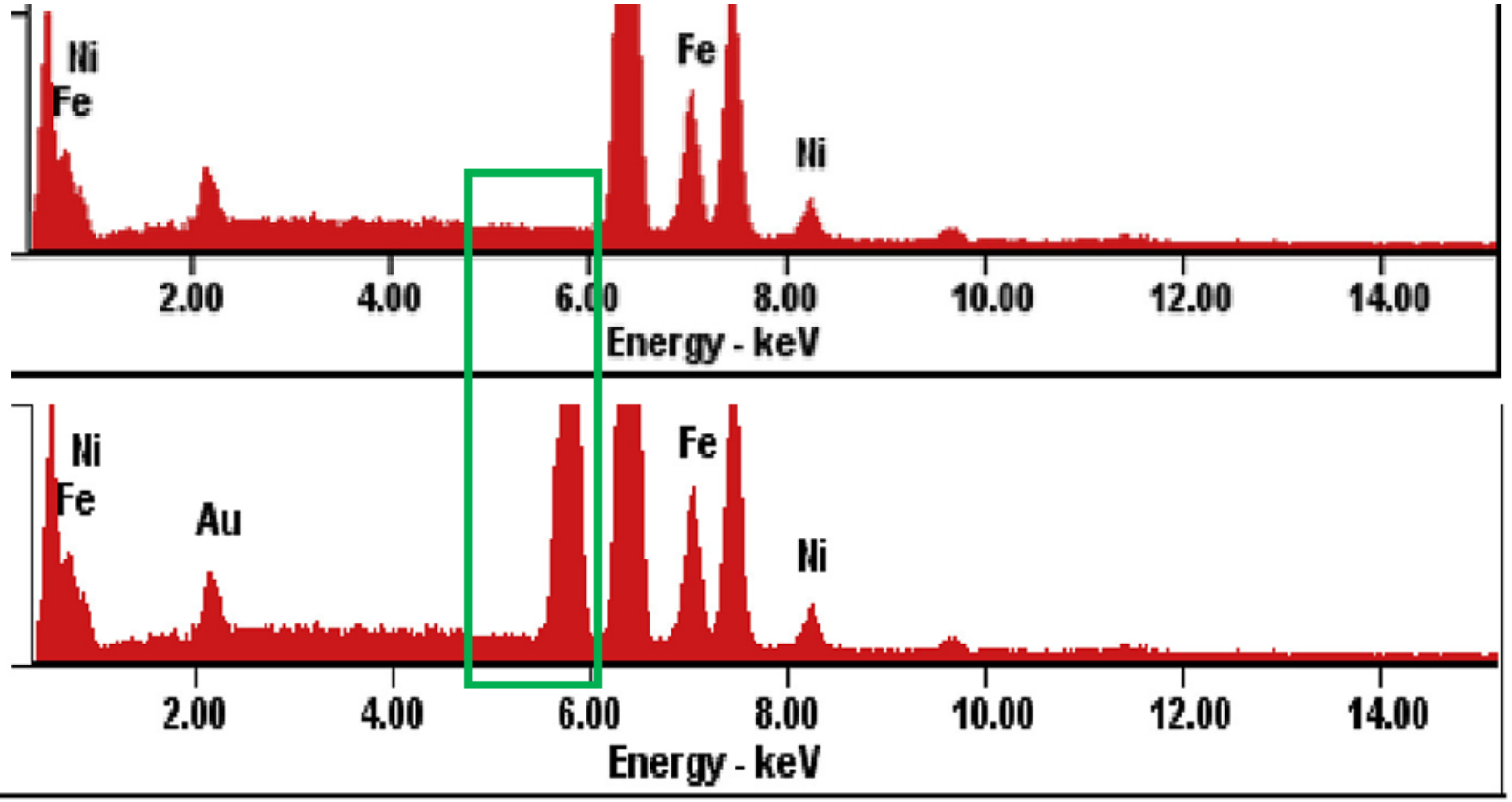
Contents lists available at ScienceDirect

Journal of Molecular Structure

journal homepage: http://www.elsevier.com/locate/molstruc

Photocatalytic degradation of methylene blue dye and magneto-optical studies of magnetically recyclable spinel $Ni_xMn_{1-x}Fe_2O_4$ ($x = 0.0–1.0$) nanoparticles

Fig 3: a and b are pixel-identical except for the region between 5 and 6 KeV



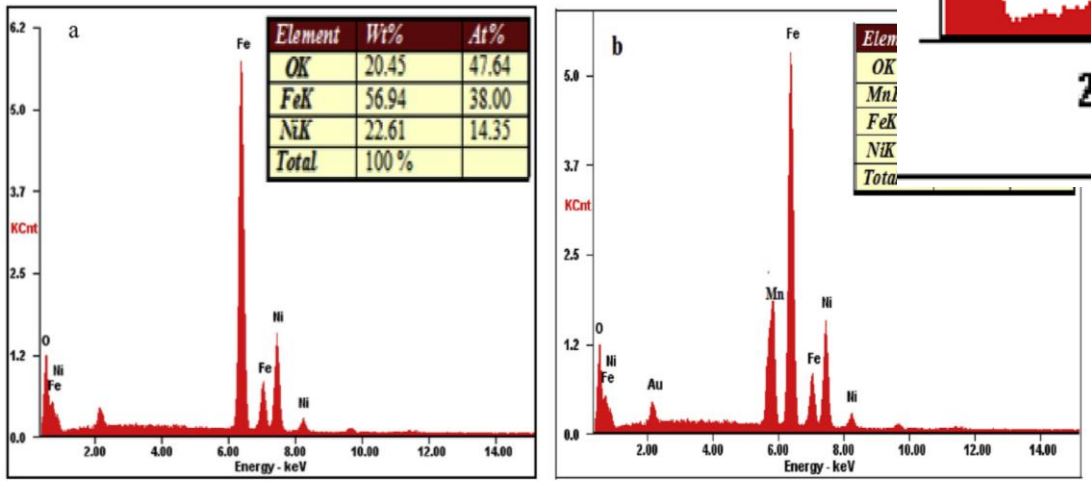


Fig. 3. EDX spectra of spinel (a) $NiFe_2O_4$ (b) $Ni_{0.6}Mn_{0.4}Fe_2O_4$ nanoparticles.

Journal of Molecular Structure 1315 (2024) 138982

Contents lists available at ScienceDirect

Journal of Molecular Structure

journal homepage: www.elsevier.com/locate/molstr

Preparation, characterization, and anticancer evaluation of polydatin conjugated with zinc MOF and encapsulated by liponiosomes as a potential nanotool-induce apoptosis

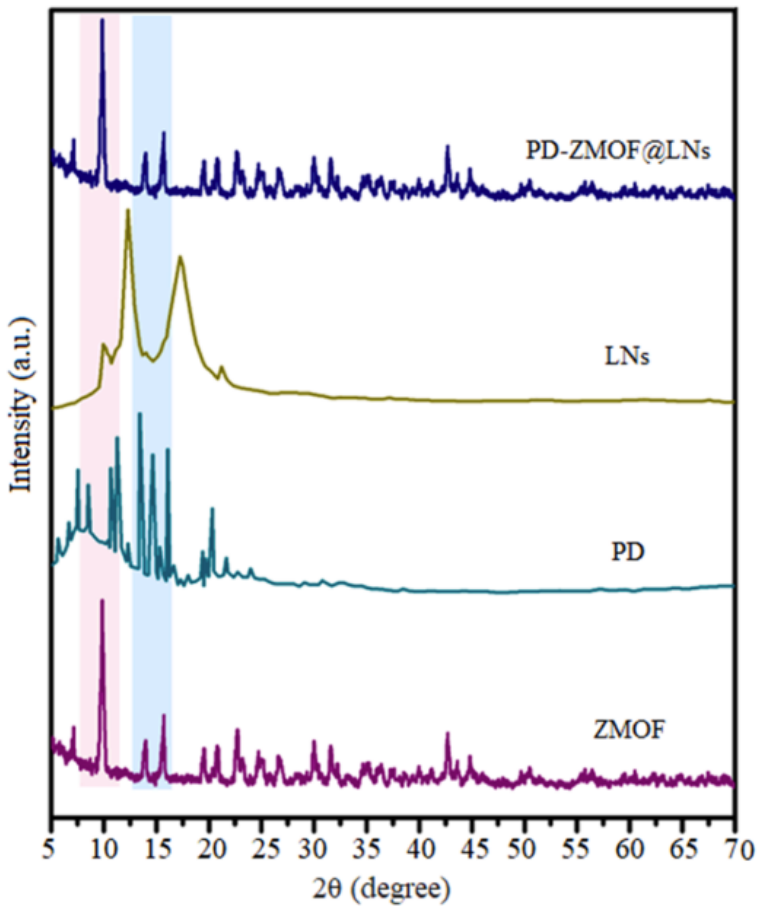
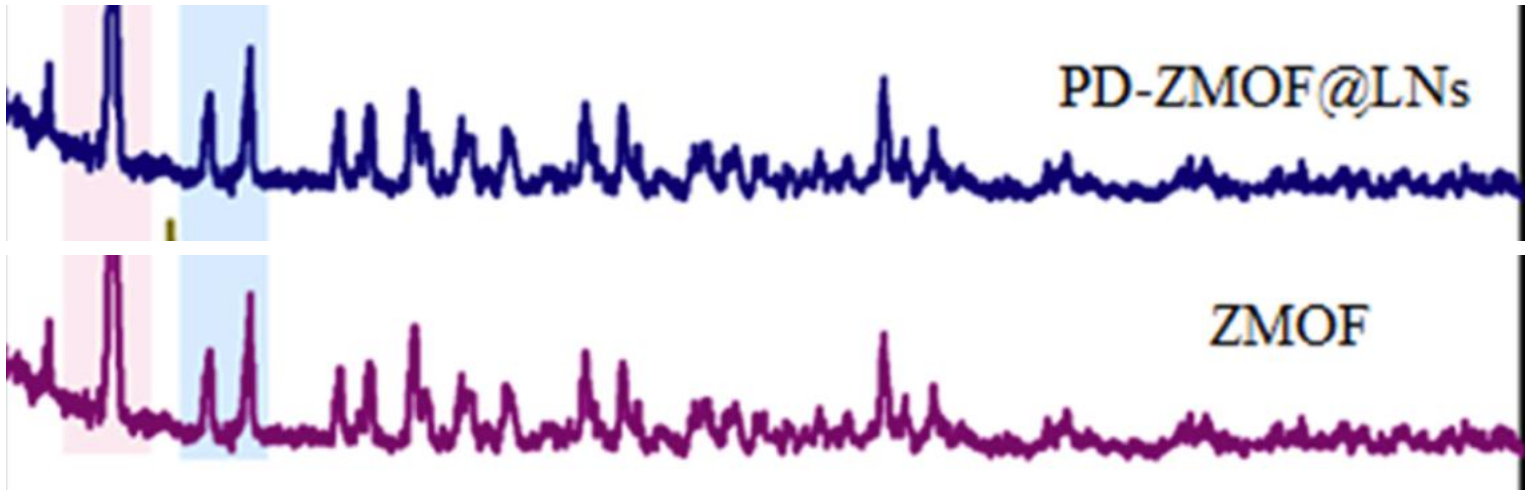


Fig. 1. The XRD profile of ZMOF, PD, LNs, and PD-ZMOF@LNs.

Fig 1: PD-ZMOF@LNs and ZMOF traces have identical noises



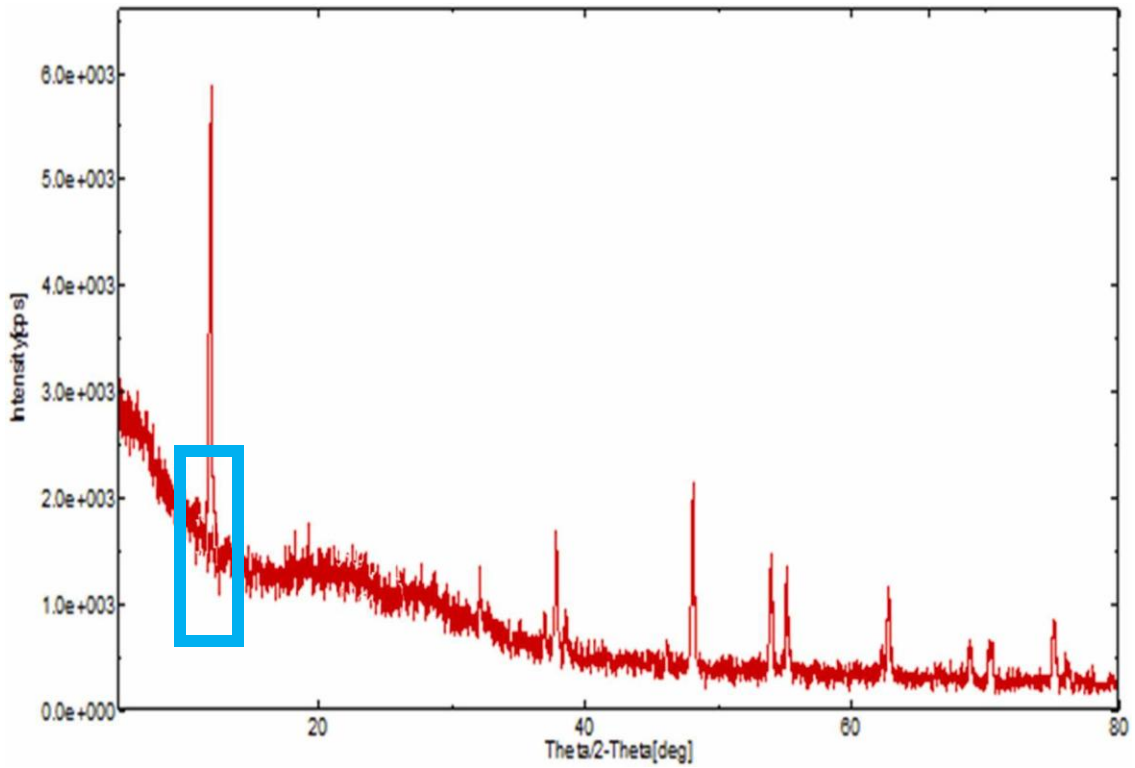
Process Safety and Environmental Protection 186 (2024) 1516–1527

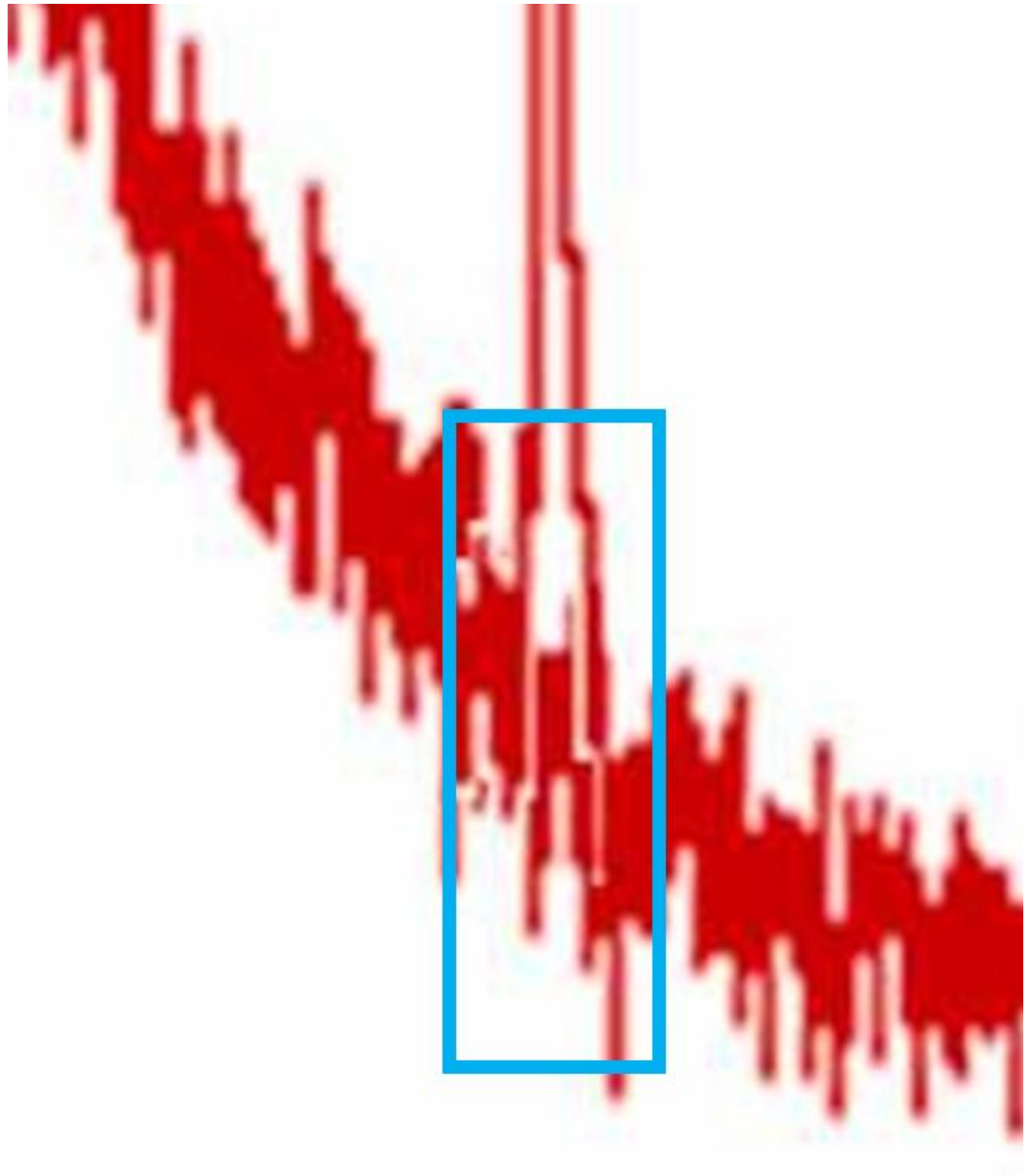
Contents lists available at ScienceDirect

Process Safety and Environmental Protection

journal homepage: www.journals.elsevier.com/process-safety-and-environmental-protection

Sulfonated reduced graphene oxide catalyzed fatty acid methyl ester production from macroalgae *Dictyota dichotoma* in supercritical conditions





One journal at a time

- Reported 80 papers to Environmental Research in Nov 2024
- 14 retracted by Jan 2025

RETRACTED

Environmental Research 214 (2022) 113829

Contents lists available at ScienceDirect

Environmental Research

journal homepage: www.elsevier.com/locate/envres

Figure 4C: Ti does not seem to have peaks between 2 and 4 KeV

TiO_2 nanoparticles derived from egg shell waste: Eco synthesis, characterization, biological and photocatalytic applications

Table 1-2. Energies of x-ray emission lines (continued).

Element	$K\alpha_1$	$K\alpha_2$	$K\beta_1$	$L\alpha_1$	$L\alpha_2$	$L\beta_1$	$L\beta_2$	$L\gamma_1$	$M\alpha_1$
22 Ti	4,510.84	4,504.86	4,931.81	452.2	452.2	458.4			

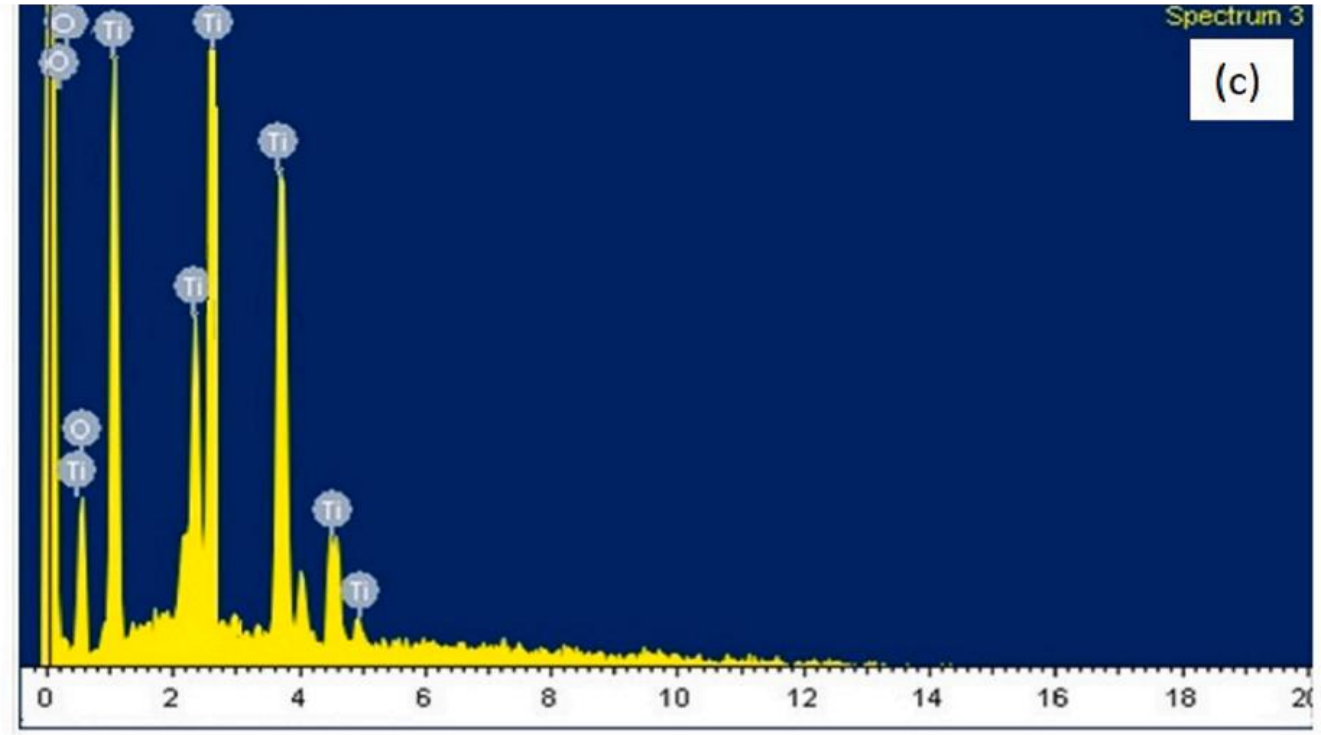


Fig. 4. (a) FE-SEM image of TiO_2 nanoparticles (b) Frequency distribution of histogram (c) Elemental analysis of TiO_2 nanoparticles.

RETRACTED

Environmental Research 226 (2023) 115604

Contents lists available at ScienceDirect

Environmental Research

journal homepage: www.elsevier.com/locate/envres

A study on the role of surface functional groups of metakaolin in the removal of methylene blue: Characterization, kinetics, modeling and RSM optimization

Fig 1: The two traces are identical

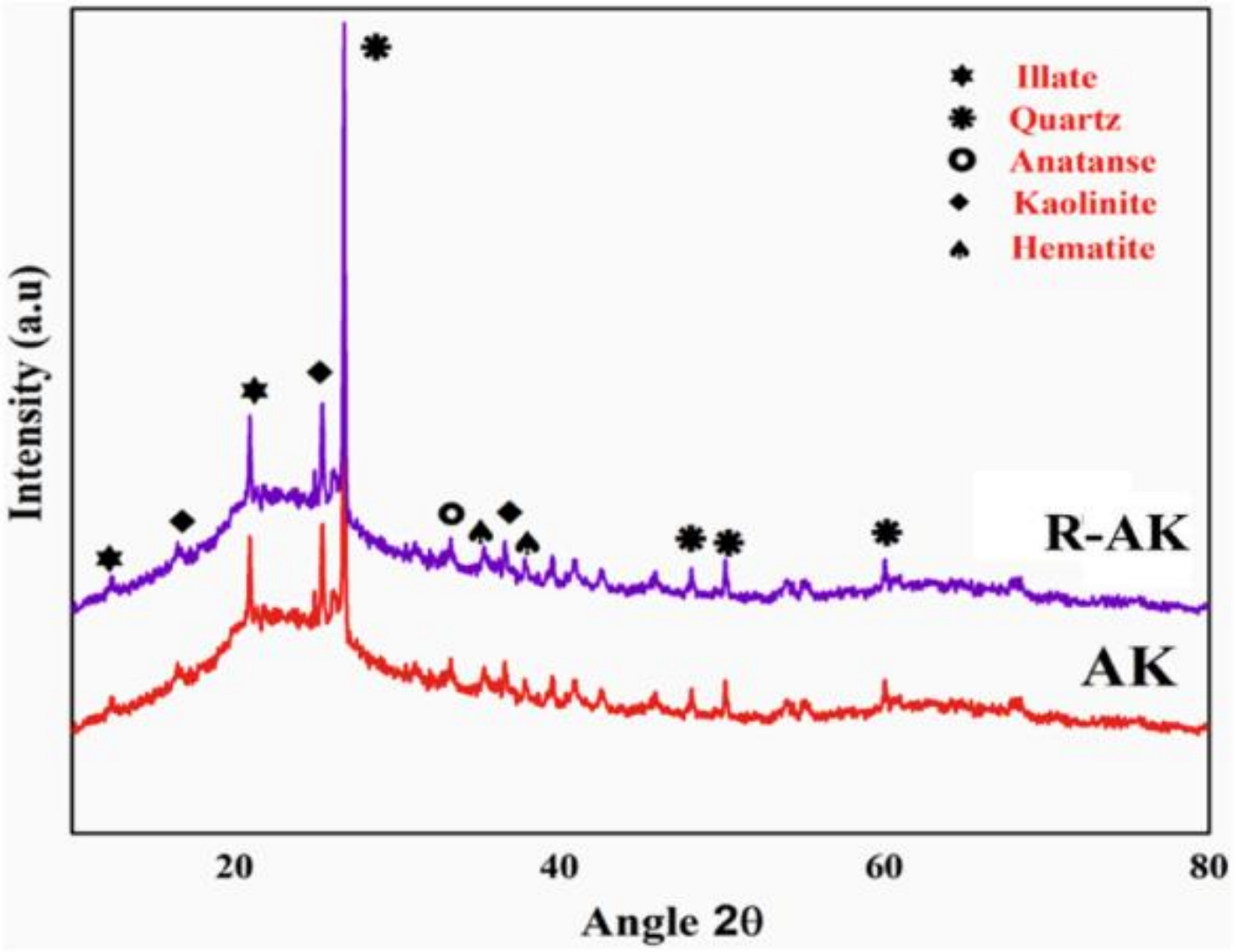


Fig. 1. XRD pattern of adsorbent (AK) and regenerated adsorbent (R-AK).

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Contents lists available at ScienceDirect

Environmental Research

journal homepage: www.elsevier.com/locate/envres

Green synthesis and characterization of titanium dioxide nanoparticles using leaf extract of *Pouteria campechiana* and larvicidal and pupicidal activity on *Aedes aegypti*

Table 2: 0.577 occurred 18 times as SE

Table 2

Larvicidal activity of biosynthesized *P. campechiana* TiO_2 NPs against different instar larvae of *Ae. aegypti* after 24 h.

Larval stages	Concentration (μg ML^{-1})	24 h mortality % ± SE	LC_{50} LCL- UCL) (μg mL^{-1})	LC_{90} (LCL- UCL) (μg mL^{-1})	X^2
2nd Instar	100	0.00 ± 0.577	1.041 (930.805 ± 121.976)	1.742 (149.4784 ± 216.2498)	2.495
	200	0.666 ± 0.577			
	300	2.666 ± 0.577			
	400	2.333 ± 0.577			
	500	3.00 ± 0.00			
	600	3.666 ± 0.577			
	700	4.333 ± 0.577			
	800	5.00 ± 0.00			
	900	6.333 ± 0.577			
	Control	0.00 ± 0.00			
3rd Instar	100	1.333 ± 0.577	950.148 (837.532 ± 117.0825)	1.936 (159.7334 ± 257.3061)	0.274
	200	1.00 ± 1.00			
	300	8.00 ± 1.00			
	400	7.333 ± 0.577			
	500	10.00 ± 1.00			
	600	9.00 ± 0.00			
	700	11.333 ± 0.577			
	800	12.333 ± 0.577			
	900	12.666 ± 0.577			
	Control	0.00 ± 0.00			
4th Instar	100	1.666 ± 0.577	1.207 (103.4000 ± 153.4765)	2.109 (172.160 ± 287.0732)	0.929
	200	6.333 ± 1.527			
	300	5.666 ± 1.527			
	400	7.666 ± 0.577			
	500	9.666 ± 0.577			
	600	15.0 ± 1.00			
	700	15.333 ± 0.577			
	800	20.00 ± 1.00			
	900	19.333 ± 0.577			
	Control	0.00 ± 0.00			

Control (deionized water) - Nil mortality value are mean and standard deviation (± **SE)** of six replicate. **LCL** lower confidence limits, **UCL** Upper confidence limit, X^2 chi-square test.

Fighting cavalier “corrections”

Bad corrections effectively launder fraud into the literature

“Corrected”

International Journal of Hydrogen Energy
Volume 51, Part A, 2 January 2024, Pages 436-447

Development of $SnCo_2O_4$ spinel supported on the rGO nanosheet with the improved electrochemical performance of OER activity

Hossam Donya [a b], Salma Aman [c], Naseeb Ahmad [c], Hafiz Muhammad Tahir Farid [d], Taha Abdel Mohaymen Taha [e f]

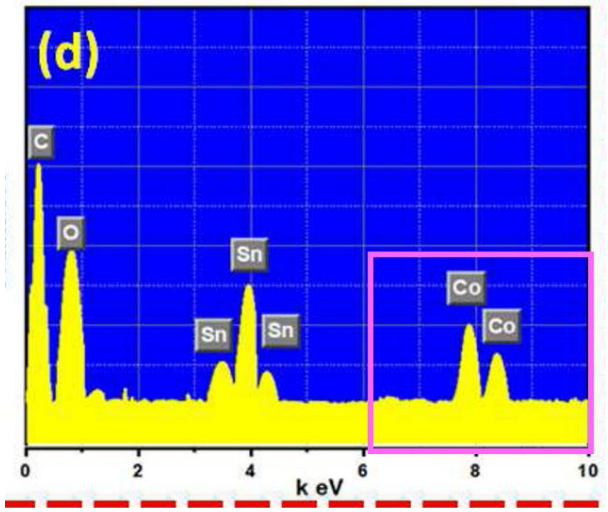


Fig 2d: EDX spectrum of SCO/rGO.

Inorganic Chemistry Communications
Volume 157, November 2023, 111354

Short communication

Facile synthesis of silver doped WO_3 nanocomposite with 2-D reduced graphene oxide to boost photocatalytic efficiency

Syeda Rabia Ejaz [a], H.I. Elsaeedy [b], M. Asif Iqbal [c], Hafiz Muhammad Tahir Farid [d]

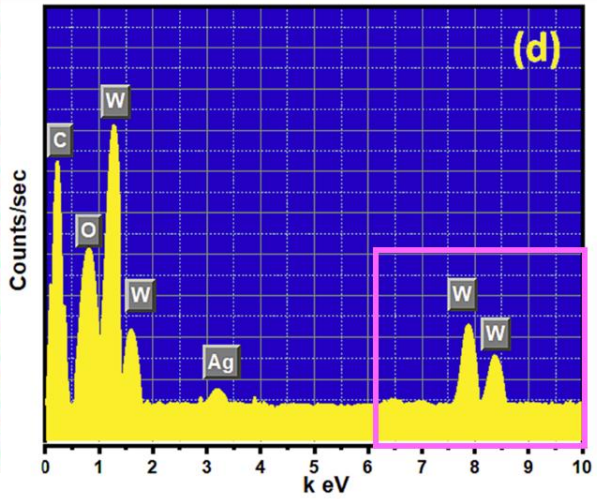


Fig 5(d): EDX spectrum of all materials

Journal of Electroanalytical Chemistry
Volume 963, 15 June 2024, 118299

Developing $TiCo_2O_4$ spinel based on rGO nanosheet to enhance electrochemical performance of OER activity

F.F. Alharbi [a], Saeed D. Alahmari [b], Salma Aman [c], A. Dahshan [d], A.M.A. Henaish [e f]

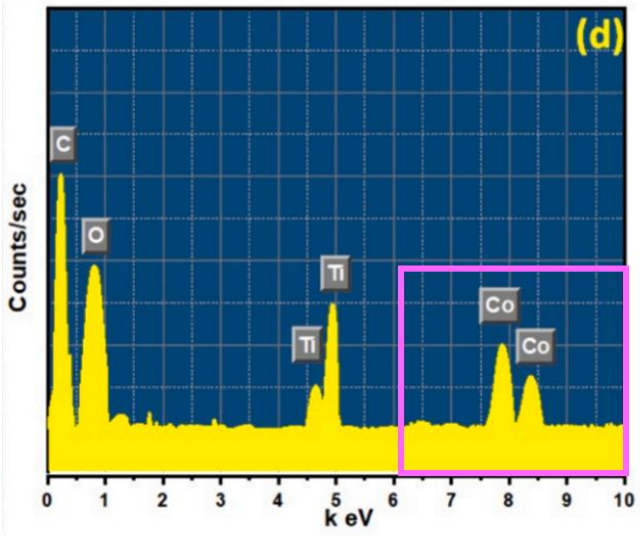


Fig 2(d): EDX spectrum of TCO/rGO nanohybrid.

“Corrected”

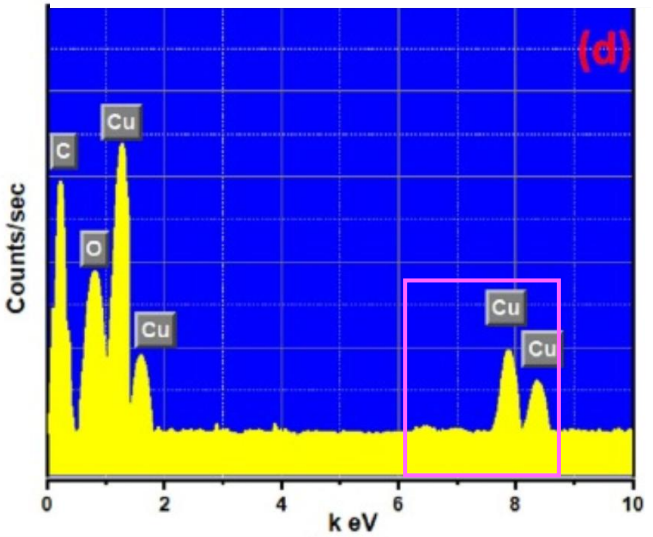
Journal of Energy Storage 66 (2023) 107394
Contents lists available at ScienceDirect
Journal of Energy Storage
journal homepage: www.elsevier.com/locate/est

Research papers

Facile synthesis of $CuCo_2O_4$ spinel with rGO nanocomposite via hydrothermal approach for solid state supercapacitor application

Hafiz Muhammad Tahir Farid [a,*], Soumaya Gouadria [b,*], S.M. Al-Moayid [c], H. Algarni [d], Mohd Zahid Ansari [e,*], H. Elhosiny Ali [d,f]

[a] Department of Physics, Government Graduate College, Taunsa Sharif 32100, Pakistan
[b] Department of Physics, College of Science, Princess Nourah bint Abdulrahman University, P.O. Box 84428, Riyadh 11671, Saudi Arabia
[c] Department of physics, College of Science A Arts, King Khalid University, P.O.Bo x 504, Mahayel Asir 61913, Saudi Arabia
[d] Department of Physics, Faculty of Science, King Khalid University, P.O. Box 9004, Abha, Saudi Arabia
[e] School of Materials Science and Engineering, Yeungnam University, 280 Daehak-Ro, Gyeongsan, Gyeongbuk 38541, Republic of Korea
[f] Research Center for Advanced Materials Science (RCAMS), King Khalid University, P.O. Box 9004, Abha 61413, Saudi Arabia



Pink boxes indicate sections that are extremely similar

View PDF Download full issue

Journal of Magnetism and Magnetic Materials
Volume 547, 1 April 2022, 168778

Synthesis and characterization of copper-based spinel ferrites for high frequency applications

Flagged

Journal of Materials Research and Technology
Volume 12, May–June 2021, Pages 1104-1112

Original Article

Effect of yttrium ion on electrical and magnetic properties of barium based spinel ferrites

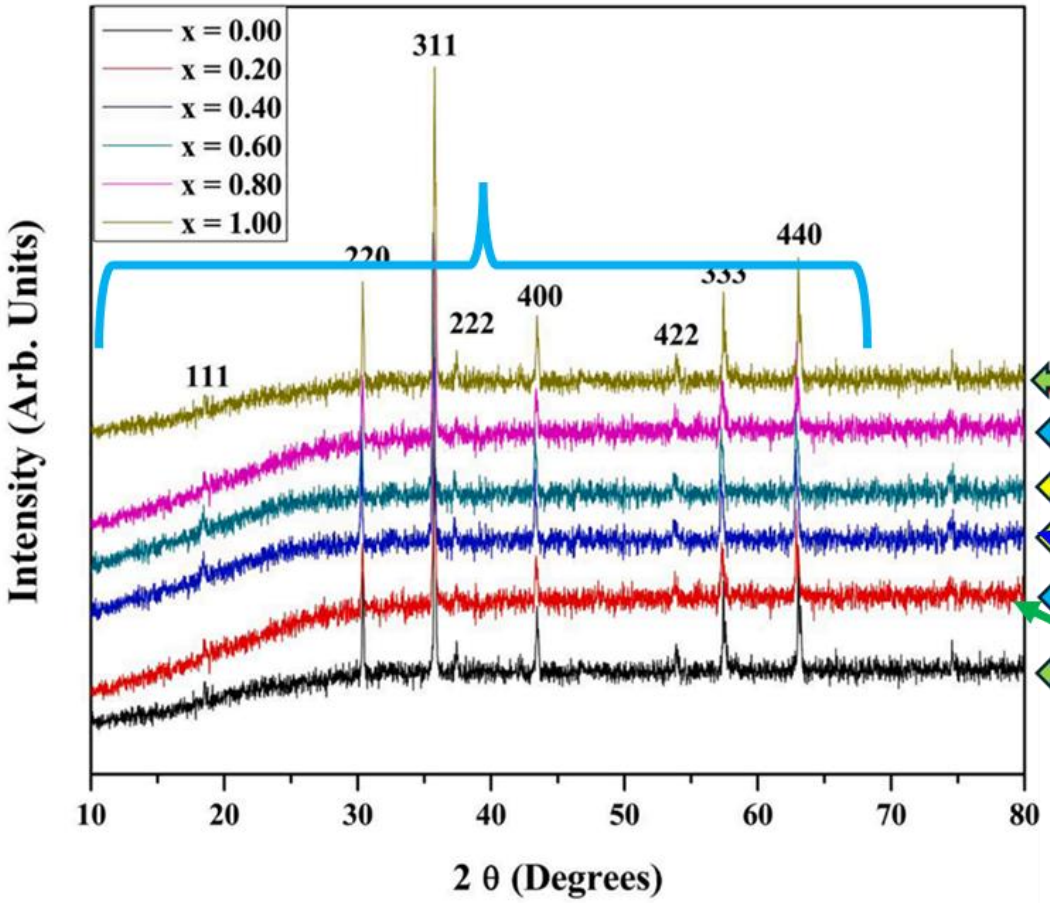
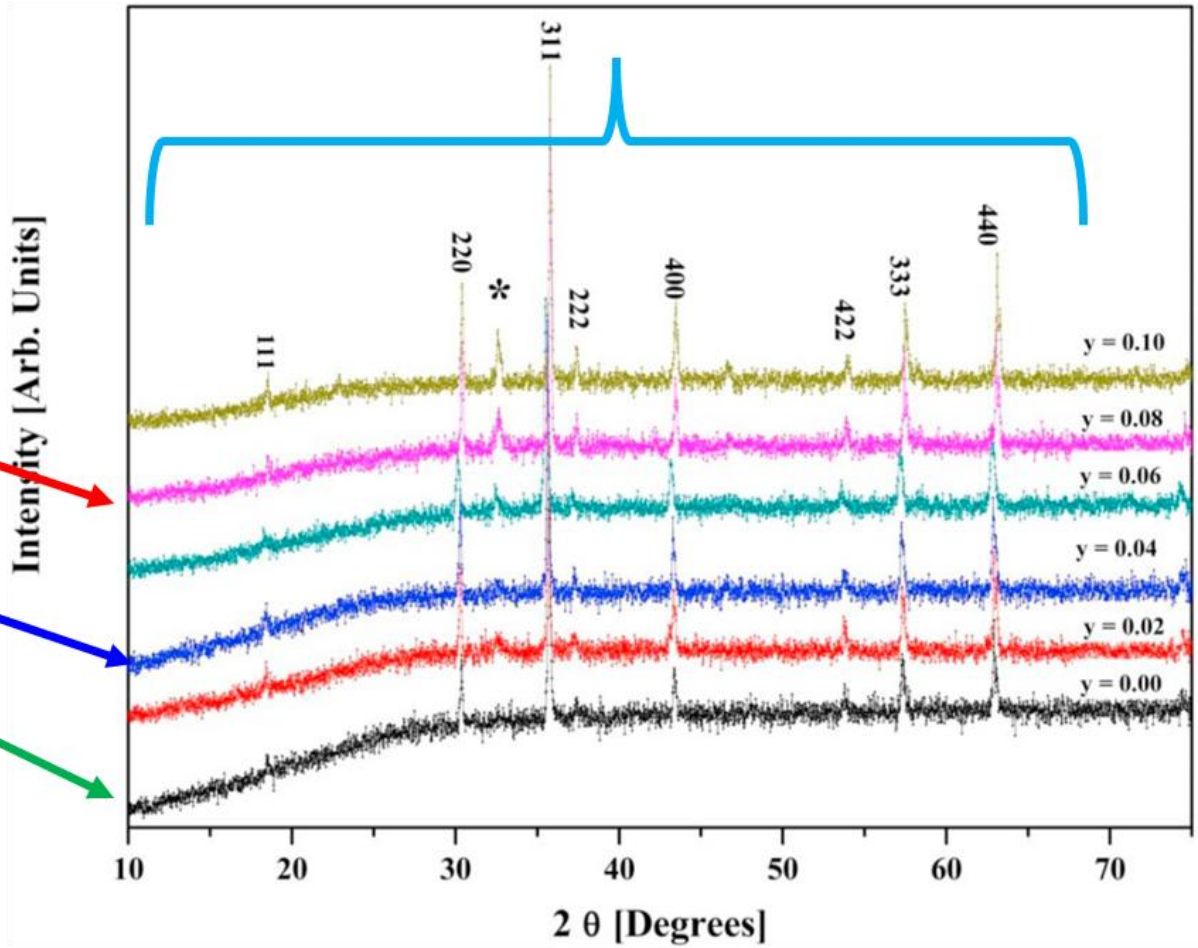


Fig. 2. X-ray diffraction patterns of spinel ferrites.



Journal of Materials Research and Technology
Volume 12, May–June 2021, Pages 1104-1112

Original Article

Effect of yttrium ion on electrical and magnetic properties of barium based spinel ferrites

"Corrected"

The authors regret < The authors regret that the original version of the published article contained misleading labeling of Fig. 3. We really apologize for this mistake. Now Fig. 3 is labeled correctly in the corrigendum. These changes do not alter the experimental results or the conclusion presented in this research paper.

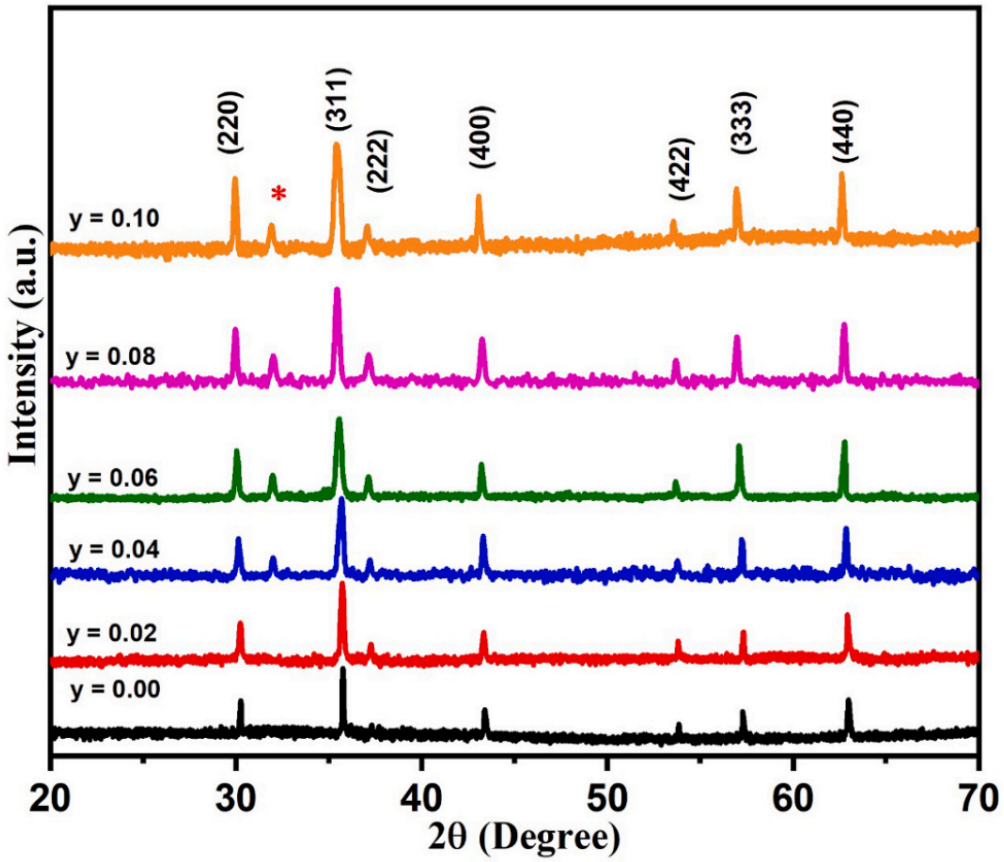


Fig. 3.

The authors would like to apologize for any inconvenience caused.

Not to blame capitalism for everything, but…..

Google “Elsevier profit margin”

ELSEVIER

What can you do: Reporting

- Not everything is “maybe I just don’t understand something…”

- Post on Pubpeer
  - No personal attacks
  - Be descriptive, and refrain from interpreting what it means or the intention
    - Benefits of the doubt
    - Hostile posts will be moderated out

- Report to journals and Ethics department of each publisher

What can you do ----- to not fall down the slippery slope

- Most importantly, identify sources of toxic pressure, and resist

- **External pressure**:
  - "You are 4th year student, you need to graduate soon."
  - "If I don't get this grant, I don't have $ to support you next year……and can you give a graph to show XYZ"
  - "The parents are so supportive of our work on developing cures for Autism"

- **Internal pressure**
  - "I just need that one big paper to get the faculty job"
  - "I need my visa sponsored for my family"
  - "I worked so hard for so long this experiment, something has to work."

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20 hours ago

Blarcamesine for the treatment of Early Alzheimer's Disease: Results from the ANAVEX2-73-AD-004 Phase IIB/III trial

Stephen Macfarlane, Timo Grimmer, Ken Teo, Terence J O'Brien, Michael Woodward, Jennifer Grunfeld, Alastair Mander, Amy Brodtmann, Bruce J. Brew, Philip Morris, Cathy Short, Susan Kurrle, Rosalyn Lai, Sneha Bharadwaj, Peter Drysdale, Jonathan Sturm, Simon J.G. Lewis, David Barton, Chris Kalafatis, Saif Sharif, Richard Perry, Nicholas Mannering, J. Emer MacSweeney, Stephen Pearson, Craig Evans, Vivek Krishna, Alex Thompson, Malathy Munisamy, Neel Bhatt, Aliya Asher, Sandra Connell, Jennifer Lynch, Sterre Malou Rutgers, Paul LJ Dautzenberg, Niels Prins, Patrick Oschmann, Lutz Frölich, Pawel Tacik, Oliver Peters, Jens Wiltfang, Alexandre Henri-Bhargava, Eric Smith, Stephen Pasternak, Andrew Frank, Howard Chertkow, Jennifer Ingram, Ging-Yuek Robin Hsiung, Rodney Brittain, Carmela Tartaglia, Sharon Cohen

The Journal of Prevention of Alzheimer s Disease (2025) — 3 comments

1 day ago

Author response

Selenium alloyed tellurium oxide for amorphous p-channel transistors

Ao Liu, Yong-Sung Kim, Min Gyu Kim, Youjin Reo, Taoyu Zou, Taesu Choi, Sai Bai, Huihui Zhu, Yong-Young Noh

Nature (2024) — 8 comments

2 days ago

All-solid-state Li–S batteries with fast solid–solid sulfur reaction

Huimin Song, Konrad Münch, Xu Liu, Kaier Shen, Ruizhuo Zhang, Timo Weintraut, Yuriy Yusim, Dequan Jiang, Xufeng Hong, Jiashen Meng, Yatao Liu, Mengxue He, Yitao Li, Philip Henkel, Torsten Brezesinski, Jürgen Janek, Quanquan Pang

Nature (2025) — 1 comment

Pubpeer dos and don’ts

- Don’t use fraud, fake, fabricated, it is just wrong etc. etc
- Do be descriptive, clear and plain.
- Don’t start petty arguments about “bad experiments”. It is not a place to show that you know better.
- Don’t assume culpability
- Do provide supporting evidence (links to reputable data bases, related papers etc.)
- Do respect the moderators (who could be wrong)

Effect of Titanium Dioxide Nanogel Surface Charges and Particle Size on Anti-Corrosion Performances of Epoxy Coatings

International Journal of Electrochemical Science (2017) - 4 Comments
doi: 10.20964/2017.02.30 issn: 1452-3981

Mohamed H. Wahby, Ayman M. Atta, Hamad A. Al-Lohedan, Ashraf M. El-saeed, Ahmed M. Tawfeek

#1 *Dysdera arabisenen* comment accepted August 2024

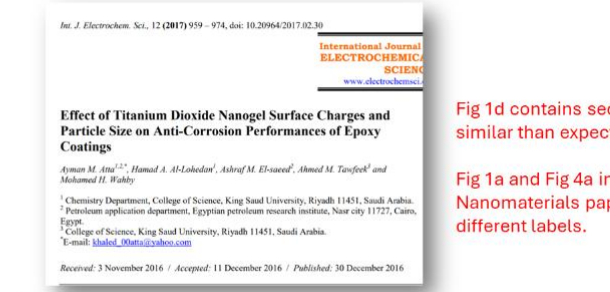

Figure 1. TEM micrographs of a)TiO_2, b) TiO_2-APTAC/AMPS-Na, c) TiO_2-APTAC/NIPAm and d TiO_2-APTAC/AA nanogel composites.

Fig 1d contains sections more similar than expected.

Fig 1a and Fig 4a in the Nanomaterials paper overlap, with different labels.

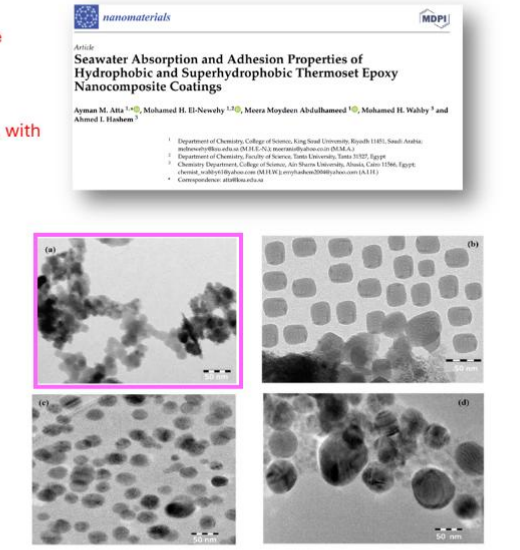

Figure 4. TEM micrographs of (a) $CaCO_3$–OA, (b) $CaCO_3$–EOA, (c) Ag–OA, and (d) Ag–EOA NPs.

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Glucose-Sensitive Hydrogel Optical Fibers Functionalized with Phenylboronic Acid

Advanced Materials (2017) - 2 Comments
pubmed: 28195436 doi: 10.1002/adma.201606380 issn: 0935-9648 issn: 1521-4095

Ali K. Yetisen, Nan Jiang, Afsoon Fallahi, Yunuen Montelongo, Guillermo U. Ruiz-Esparza, Ali Tamayol, Yu Shrike Zhang, Iram Mahmood, Su-A Yang, Ki Su Kim, Haider Butt, Ali Khademhosseini, Seok-Hyun Yun

#1 Elisabeth M Bik comment accepted January 2025

Concern about **Figure 7C**:

- Red boxes: In the Day 3 row, the PEGDA and No fiber panels appear to overlap, with a rotation and a change in magnification.

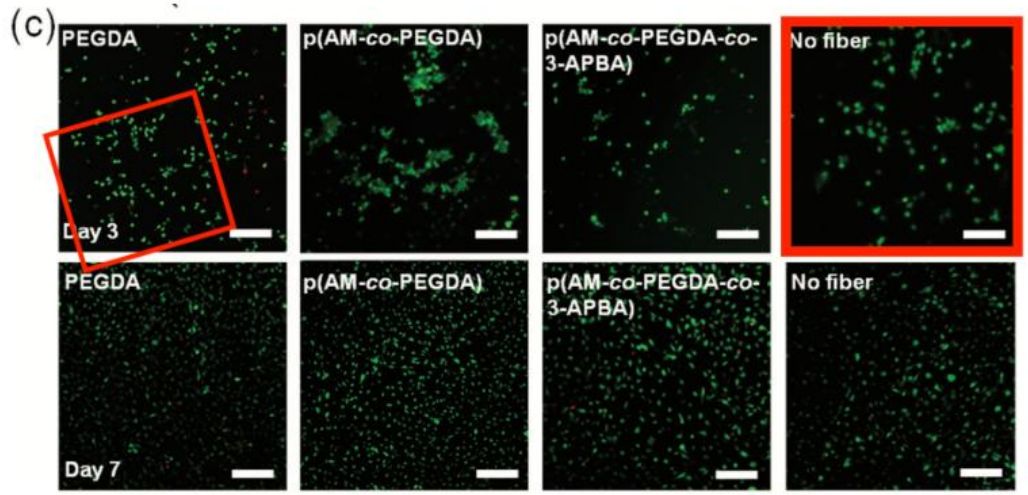

Figure 7. Biological study of NIH-3T3 fibroblasts for fiber samples: PEGDA, p(AM-*co*-PEGDA), p(AM-*co*-PEGDA-*co*-3-APBA), and no fiber. a) Cellular metabolic activity measured with PrestoBlue assay and compared to control confirming normal proliferation of cells exposed to the 3-APBA functionalized fibers. b,c) LIVE/DEAD assay for assessing cellular viability on day 3 and day 7, where live cells are stained in green and dead cells in red. Scale bar = 50 µm. (n = 3 in a,b)

Earth is mostly water

Science is mostly negative data

Both are life

Peace out