In peer review we trust?!

Wie reagieren Zeitschriften und Universitäten auf wissenschaftliches Fehlverhalten?

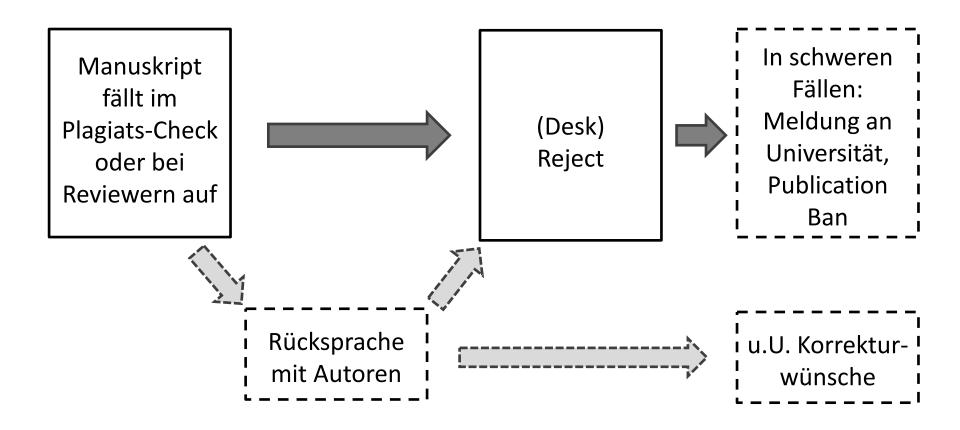
Felicitas Heßelmann (Deutsches Zentrum für Hochschul- und Wissenschaftsforschung)

Tag der guten Wissenschaftlichen Praxis, Freie Universität Berlin, 14.06.17

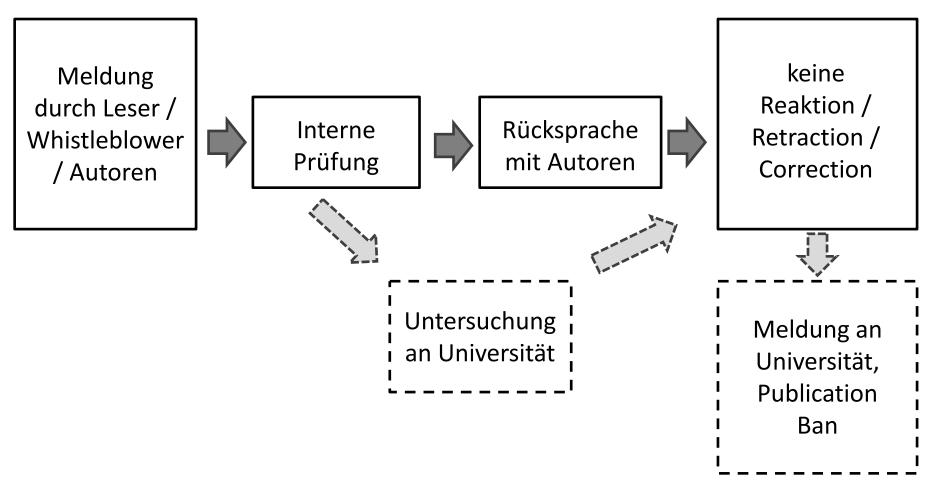
1. Prozesse bei Zeitschriften

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1a Verdachtsfälle im Peer-Review



1b Verdachtsfälle in Publikationen



1c Retractions



SF20/IL-25, a Novel Bone Marrow Stroma-Derived Growth Factor That Binds to Mouse Thymic Shared Antigen-1 and Supports Lymphoid Cell Proliferation

Edgardo E. Tulin, 1* Nobuhisa Onoda,* Yasuhiko Nakata,* Masatsugu Maeda,* Masakazu Hasegawa,* Hitoshi Nomura,* and Toshio Kitamura†

Using a forward genetic approach and phenotype-based complementation screening to search for factors that stimulate cell proliferation, we have isolated a novel screeted bone marrow stroma-derived growth factor, which we termed SF20/IL-25. This protein signals cells to proliferate via its receptor, which we have identified as mouse thymic shared Ag-I (TSA-I). Enforced expression of TSA-I in IL-3-dependent Ba/F3 cells that do not express endogenous TSA-I rendered cells to proliferate in a dose-dependent manner when stimulated with SF20/IL-25. F0/CP2, a factor-dependent hemopoietic cell line that presents endogenous TSA-I, could also be stimulated to proliferate with SF20/IL-25. Binding of SF20 to TSA-I was blocked by anti-TSA-I and SF20-induced proliferation of TSA-I-spressing cells was inhibited by anti-TSA-I. In vitro assay revealed EF20/IL-25. That was detectable myelopoietic activity but supports proliferation of cells in the lymphoid lineage. The Journal of Immunology, 2011, 157, 483-417.

In hymic shared Ag-1 (TSA-1),2 also called stem cell Ag-2, is a small Cys-1-ic cell surface protein and is a member of the Ly-6 minly of hemopoietic proteins (D. It is anchored in the cell membrane by a C-terminal GPI moiety, a posturo-tional modification common to each member of the Lyse family of proteins. Although the biologic roles for these analysis of the cell terminal graph will understood, there is mounting evides of the cell terminal cell the cell terminal cell that the cell terminal cell terminal cell that the cell terminal cell that the cell terminal cell that the cell terminal cell terminal cell that the cell terminal cell ter

pression in bone more veloping thymocytes lymphoid precursor call important function of 18

Studies on the function stricted to T cell activation been conducted ISA-1 Abs have been using anti-TSA-1 mAbs. In reported to inhibit T cell active ation (9, 10). In fact, it was reported that the addition of anti-TSA-1 mAb to fetal thymus organ culture inhibited the development of double positive (CD4+CD8+) thymocytes and $TCR\alpha\beta^+$ mature thymocytes (2). No natural ligand has yet been reported for TSA-1. Using a forward genetic approach and phenotyne-based complementation screening to search for stromal cell-derived factors that support cell proliferation (11), we have identified a novel secreted bone marrow stroma-derived growth factor, which we termed SF20/IL-25, that binds to mouse TSA-1 and stimulates cell proliferation. In this work, we report on

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¹ Address correspondence and reprint requests to Dr. Edgardo E. Tulin, Dipartment of Hematopointic Factors, Institute of Holdical Science, University of Toloy, 4-6-1 Stimlandsia, Minato-ku, Tokyo, 108-8639, Japan E-mail address: tulin@cimmed.com ² Abbreviations used in this paper: TSA-1, thymic shared Ag-1; m, murine, EST, expressed sequence legs MTC, multiple issue CDMs.

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ation of months of the company of th

and the subsequent identi-

naterials and Methods ylokines and cell lines

Recombinant murine (m)L-3 was purchased from Upstane Biotechnology (Lake Plaick), Ny) and mil-2 was from R&D Systems (Minneapolis, ND), Anti-FLAG BioMJ Ab was purchased from Sigma-Aldrich (St. Louis, MO), Anti-FS-4. Insocolonal Ab (MTS35) was purchased from BD PharsMingen (San Diego, CA). A retrovirus packaging cell line, Plat-E (12), was maintained in DMEM containing 10% (volv PCS and selection reagents (3 µg/ml blasticidin and 0.3 µg/ml puromycin; Sigma-Aldrich). The cells were transfered into DMEM 10% FCS without selection reagents (2 days before transferation A murine pro-B cell line, BaF3, was cultured in RPMI 1640 medium containing 10% FCS and the presence of 1 ng/ml 11-3. A murine factor-dependent cell line, FDCP2, and mast cell line, MG9, were cultured in RPMI 1640 medium containing 10% FCS and the Containing 10% FCS. The mouse bone marrow-derived stroma CF-1 were cultured in DMEMF-12 medium containing 10% FCS. The mouse bone marrow-derived stroma cell lines MS5 was coll lines MS5 and MS10 were cultured in a AMEM (Aff Technologies, Rockville, MD) containing 10% FCS. CSS real live semantianced in DMEMIO(96 FCS.)

Expression cloning of SF20

BaF3 mutagassais, establishment of ST3 stroma-dependent mutant, and preparation of CDA library from ST2 cells were performed as previously elsectriced (11). Production of retrovirus stocks from the CDNA library and infection of MSI cells, a bone marror vistoms that does not support pro-liferation of SE3-33 mutants, were essentially the same as previously reported. To search for the factor that stimulates proliferation of SE3-33 cells, 12,000 independent clones from the ST2 cell CDNA library were screened using mutovised pools (20 clones per pool). After first creening, one pool (no. 6) was identified to support proliferation of SE3-33 cells. This pool contained 120 independent clones and was further subtivised.

0022-1767/01/\$02.0

Tulin, E.E. et al.: Retraction: SF20/IL-25, a Novel Bone Marrow Stroma-Derived Growth Factor That Binds to Mouse Thymic Shared Antigen-1 and Supports Lymphoid Cell Proliferation, J Immunol February 1, 2003, 170 (3) 1593; DOI: https://doi.org/10.4049/jimmunol.170.3.1593



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See original article: Tulin et al. 167 (11): 6338

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Retraction: SF20/IL-25, a Novel Bone Marrow Stroma-Derived Growth Factor That Binds to Mouse Thymic Shared Antigen-1 and Supports Lymphoid Cell Proliferation

Edgardo E. Tulin, Nobuhisa Onoda, Yasuhiko Nakata, Masatsugu Maeda, Masakazu Hasegawa, Hitoshi Nomura and Toshio Kitamura

We wish to retract the paper by Edgardo E. Tulin, Nobuhisa Onoda, Yasuhiko Nakata, Masatsugu Maeda, Masakazu Hasegawa, Hitoshi Nomura, and Toshio Kitamura, "SF20/IL-25, a Novel Bone Marrow Stroma-Derived Growth Factor That Binds to Mouse Thymic Shared Antigen-1 and Supports Lymphoid Cell Proliferation," *The Journal of Immunology* 2001;167:6338-6347.

In the article above, we isolated a novel secreted bone marrow stroma-derived growth factor, SF20/IL-25, which supports lymphoid cell proliferation via mouse thymic shared Ag-1. In subsequent work, we were unable to reproduce our published findings reported in Figs. 4B, 5C, 6B, and 8C of the article. At this point, we are unable to explain why these prior experiments were flawed, but some minor contaminant in the purified SF20 in the original experiments could have brought the inconsistency. Since the original data is indispensable for demonstration of the physiological role of SF20, the published findings are unsound. Therefore, we would like to inform the scientific community of this error.

Edgardo E. Tulin

Nobuhisa Onoda

Yasuhiko Nakata

Masatsugu Maeda

Masakazu Hasegawa

Hitoshi Nomura

"We wish to retract the paper [...]

In the article above, we isolated a novel secreted bone marrow stroma-derived growth factor, SF20/IL-25, which supports lymphoid cell proliferation via mouse thymic shared Ag-1. In subsequent work, we were unable to reproduce our published findings reported in Figs. 4B, 5C, 6B, and 8C of the article. At this point, we are unable to explain why these prior experiments were flawed, but some minor contaminant in the purified SF20 in the original experiments could have **brought the inconsistency.** Since the original data is indispensable for demonstration of the physiological role of SF20, the published findings are unsound.

Therefore, we would like to inform the scientific community of this error."

Proc Natl Acad Sci U S A. 2004 Oct 19; 101(42): 15271. doi: 10.1073/pnas.0406725101 PMCID: PMC524074

Retraction

Natl Acad Sci U S

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This retracts the article "Prevention of renovascular and cardiac pathophysiological changes in hypertension by angiotensin II type 1 receptor antisense gene therapy" in volume 95 on page 2664, which was published in final edited form.

PHYSIOLOGY. For the article "Prevention of renovascular and cardiac pathophysiological changes in hypertension by angiotensin II type 1 receptor antisense gene therapy," by Jeffrey R. Martens, Phyllis Y. Reaves, Di Lu, Michael J. Katovich, Kathleen H. Berecek, Sanford P. Bishop, Mohan K. Raizada, and Craig H. Gelband, which appeared in issue 5, March 3, 1998, of *Proc. Natl. Acad. Sci. USA* (95, 2664-2669), after an investigation by the Office of Research Integrity (ORI), Craig H. Gelband admitted to falsification of data, including Fig. 4 A and B. ORI determined that Dr. Gelband is solely responsible for the falsification. The editors, therefore, hereby retract the paper.

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"For the article [...] after an investigation by the Office of Research Integrity (ORI), Craig H. Gelband admitted to falsification of data, including Fig. 4 A and B. ORI determined that Dr. Gelband is solely responsible for the falsification. The editors, therefore, hereby retract the paper."

Proceedings of the National Academy of Sciences of the United States of America. Retraction, 2004; 101(42):15271. doi:10.1073/pnas.0406725101.

2. Verdachtsfälle in Universitäten

Beschwerde



Ombudsverfahren: Anhörung, Beratung, Mediation, Vorprüfung



Untersuchungskommission:
interne Prüfung,
Anhörung, (Gutachten),
Beurteilung &
Empfehlung



Sanktion durch Präsidium



Konfliktlösung, Verfahrenseinstellung



Meldung an Zeitschrift

3. Ansprechpartner & weitere Informationen

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(Vertrauenspersonen der Fachbereiche, Ehrenkodex der FU)

Ombudsman für die Wissenschaft

Prof. Dr. Stephan Rixen (Sprecher)

E-Mail: geschaeftsstelle(at)ombuds-wissenschaft.de

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https://publicationethics.org/

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Publishers (Springer, Elsevier, Sage, T&F, etc.)

Ansprechpartner bei Konflikten mit Editors

"Publishing Campus" (Elsevier), "Publishing Ethics" (Springer), "Ethics & Responsibility" (Sage), "Ethics for Authors" (Taylor & Francis) (Guidelines, Policies, FAQ, Kontaktmöglichkeiten, etc.)

Projekt "Refairenz" (Uni Konstanz)

www.plagiatspraevention.de

(Materialien zum Thema Plagiat)

Vielen Dank!

Felicitas Heßelmann

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