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Journal of Economic Theory
Volume 69, Issue 1, April 1996, Pages 153-185

Seminar
The Work of John Nash in Game Theory: Nobel Seminar, December 8, 1994
Available online 25 May 2002.

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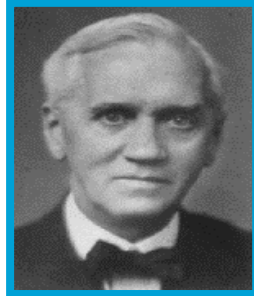
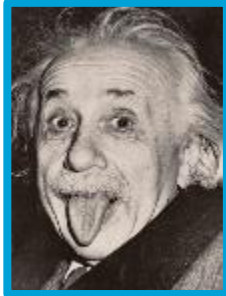
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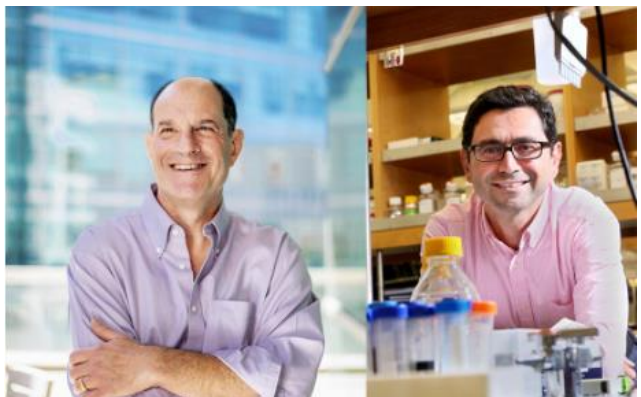


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Neuron

Volume 21, Issue 3, September 2008, Pages 531-543

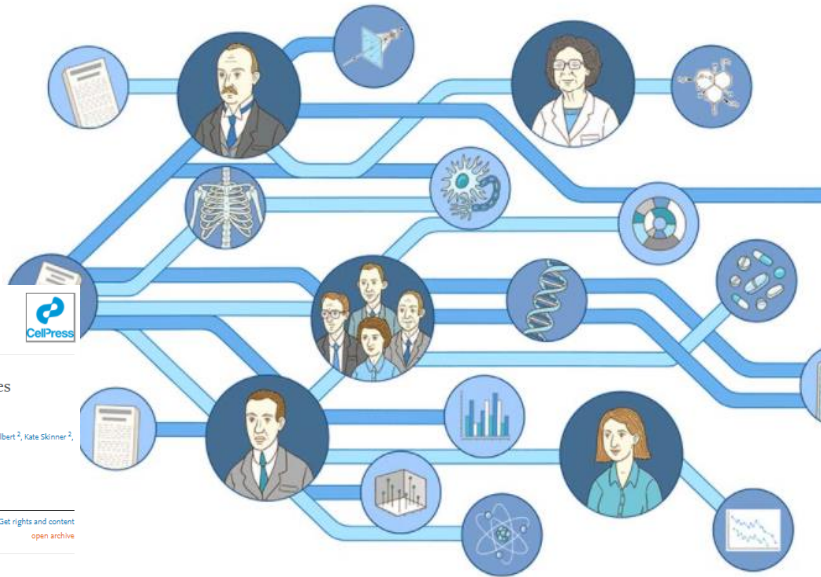
Article
The Cloned Capsaicin Receptor Integrates Multiple Pain-Producing Stimuli

Makoto Tomimaga¹, Michael J. Caterina¹, Annika B. Malmberg², Tobias A. Rosen¹, Heather Gilbert², Kate Skinner², Brigitte E. Kaumann¹, Allan I. Basbaum², David Julius^{1,2,3,4}

https://doi.org/10.1016/S0896-6273(08)0564-4

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Abstract
 Capsaicin, the main pungent ingredient in "hot" chili peppers, elicits burning pain by activating specific (vanilloid) receptors on sensory nerve endings. The cloned vanilloid receptor (VR1) is a cation channel that is also activated by noxious heat. Here, analysis of heat-evoked single channel currents in excised membrane patches



Developments in Atmospheric Science
 Volume 10, 1979, Pages 43-55

On the Problem of Multiple Time Scales in Climate Modeling

K. HASSELMANN

ABSTRACT
 The climatic system contains a number of interacting subsystems with natural time

List, Benjamin

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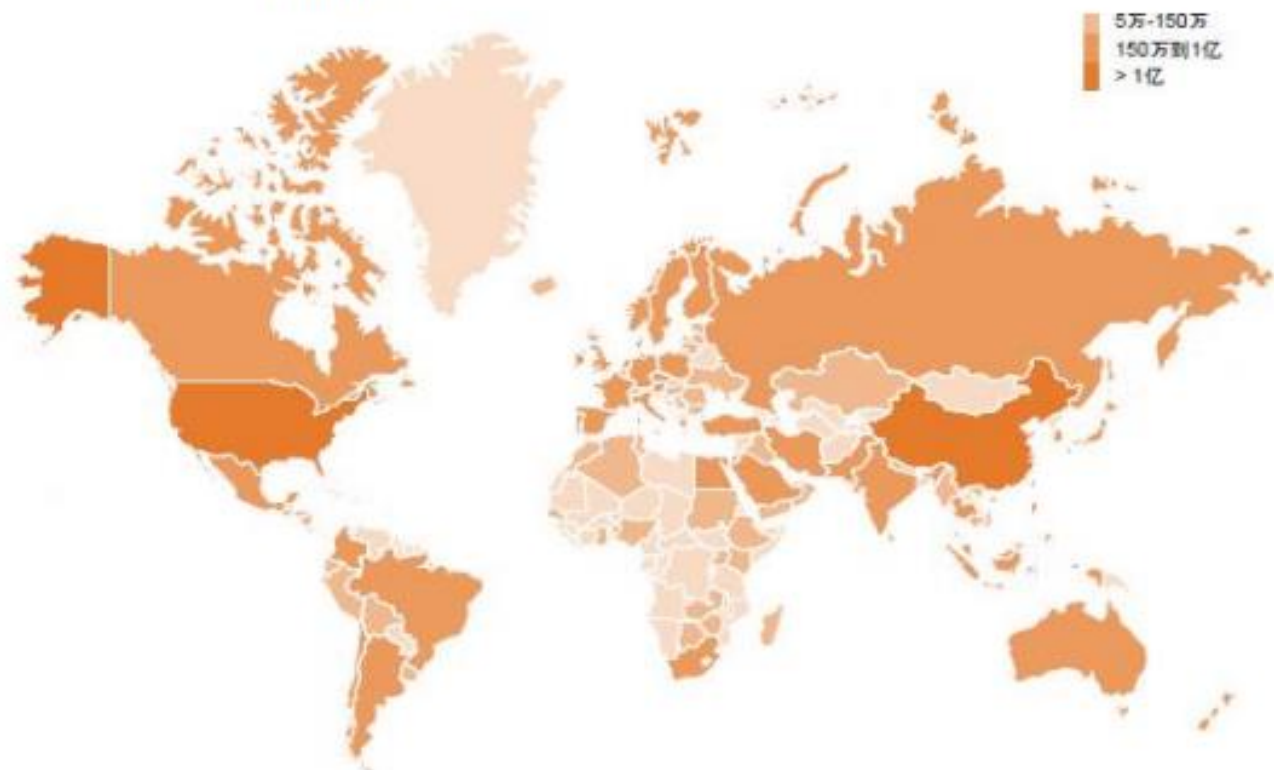
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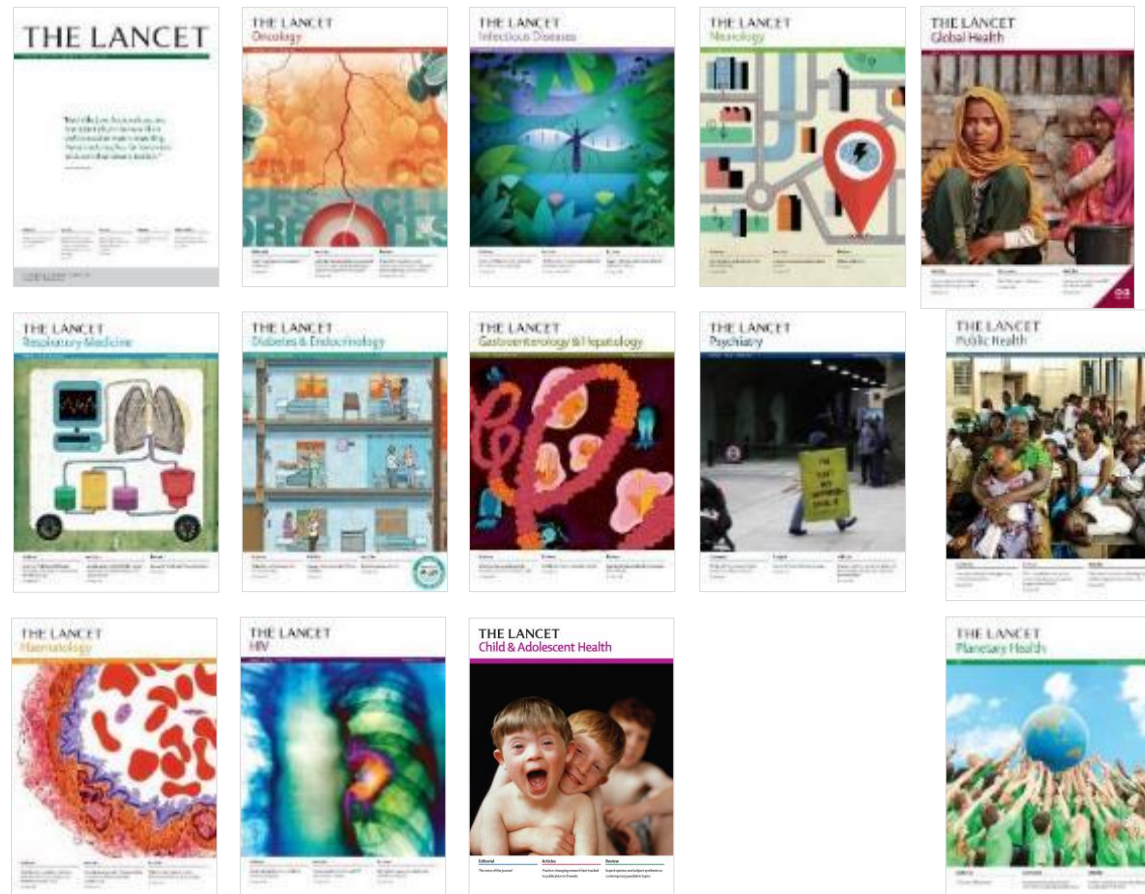
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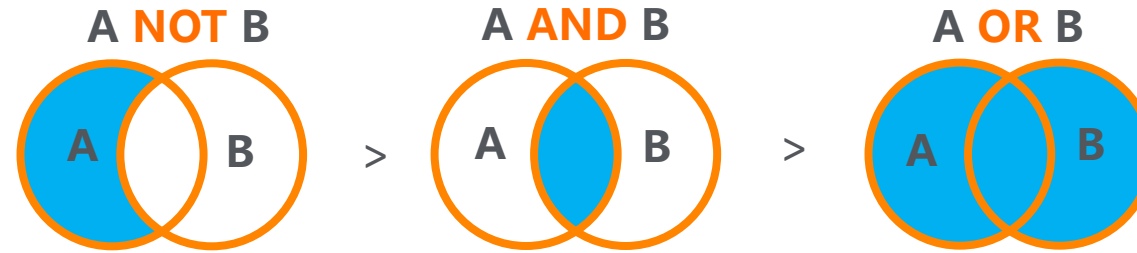
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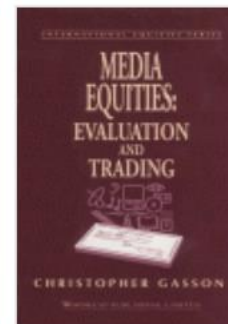
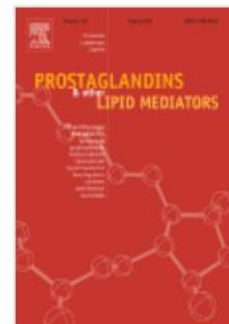
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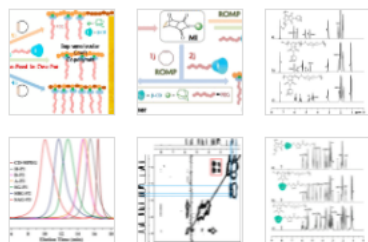
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European Polymer Journal

Volume 112, March 2019, Pages 670-677



Noncovalently connected supramolecular metathesis graft copolymers: One-pot synthesis and self-assembly

Liang Ding^a, Juan Li^a, Ruiyu Jiang^a, Lingfang Wang^a, Wei Song^a, Lei Zhu^b

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Highlights

- The noncovalently connected amphiphilic graft copolymer was synthesized in one-pot.
- Supramolecular block and alternating amphiphilic graft copolymers were constructed.
- The graft-based amphiphilic copolymers self-assemble to the irregular nanostructures.

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Noncovalently connected amphiphilic graft copolymers and self-assembly

Liang Ding^a, Juan Li^a, Ruiyu Jiang^a

https://doi.org/10.1016/j.eurpolymj.2018.10.032

Fig. 4. ¹H NMR spectra for supramolecular graft copolymers (a) **SG-P1**, (b) **SBG-P2**, and (c) **SAG-P3**.

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Highlights

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- Supramolecular block and alternating amphiphilic graft copolymers were constructed.
- The graft-based amphiphilic copolymers self-assemble to the irregular nanostructures.

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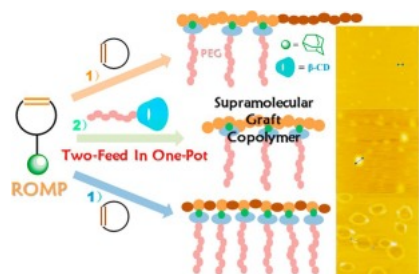
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followed by efficient complexation between cyclodextrin and adamantane to form amphiphilic supramolecular graft copolymers via a two-feed one-pot. Subsequently, amphiphilic supramolecular block and alternating copolymers were constructed using a similar technique via the copolymerization with cyclooctene in one-pot. Importantly, the degree of polymerization and molecular weight distribution of these supramolecular polymers were well controlled, and further they self-assembled into supramolecular nanostructures with diverse morphologies in aqueous solution. It is expected that this work will provide a new direction for designing and constructing noncovalent supramolecular metathesis polymers.

Graphical abstract

Three types of noncovalently connected amphiphilic supramolecular copolymers were prepared relying on ring-opening metathesis polymerization and host-guest interaction via a two-feed procedure in one-pot; The polymers self-assemble into supramolecular nanostuctures with diverse morphologies.



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Ring Opening Metathesis Polymerisation

ROMP led to the ring opening of cyclopentene to a polypentenamer elastomer by breaking and reforming olefin double bonds with simultaneous opening of the unsaturated cycles of the monomers.

From: [Reference Module in Materials Science and Materials Engineering, 2019](#)

2

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Ring-Opening Polymerization and Special Polymerization Processes

L.L. Kiessling, S.L. Mangold, in [Polymer Science: A Comprehensive Reference](#), 2012

4.28.1.5 Conclusions

ROMP can be used to construct a wide range of polymer architectures for a variety of applications. Advances in design and synthesis have led to exceptional chemoselectivity.

Polymeric Materials – Well Defined Block Copolymers

M.U. Kahveci, ... C. Tsitsilianis, in [Reference Module in Materials Science and Materials Engineering](#), 2016

1. Definitions extracted from Elsevier books.

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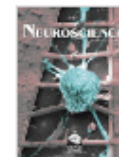
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Neuroscience

Volume 172, 13 January 2011, Pages 196–204



Cognitive, Behavioral, and Systems Neuroscience

A sex comparison of the anatomy and function of the main olfactory bulb–medial amygdala projection in mice

N. Kang^a, E.A. McCarthy^a, J.A. Cherry^b, M.J. Baum^a  

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<http://dx.doi.org/10.1016/j.neuroscience.2010.11.003>

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Abstract

We previously reported that some main olfactory bulb (MOB) mitral/tufted (M/T) cells send a direct projection to the “vomeronasal” amygdala in female mice and selectively respond to volatile male mouse urinary odors. We asked whether MOB M/T cells that project to the vomeronasal amygdala exist in male mice and whether there is a sexually dimorphic response of these neurons to volatile male urinary pheromones.

Gonadectomized male and female mice received bilateral injections of the retrograde

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The vertebrate sensory nervous system enables fine detection of varied external information. While these senses are popularly categorized into five modalities (taste, smell, hearing, sight, and touch), the sense of touch actually consists of the perception of multiple discrete types of stimuli, including temperature, position, and pressure. Correspondingly, electrophysiologists have long realized that recognition of touch is executed by neurons of restricted specificity, such that painful (or noxious) stimuli can activate neurons of a different class than nonnoxious pressure [Scott 1992](#), [Hensel 1981](#). The molecular characterization of sensory neurons has advanced remarkably in recent years, perhaps most notably with the identification of genes that encode receptor families for smell and taste ligands [Adler et al. 2000](#), [Axel 1995](#). And yet, a great deal remains unknown about the molecular pathways that lead to the diversity of neurons that sense “touch” and that enable these neurons to translate mechanical or thermal stimuli into action potentials.



E. Adler, M.A. Hoon, K.L. Mueller, J. Chandrashekar, N.J. Ryba, C.S. Zuker
A novel family of mammalian taste receptors

Cell, 100 (2000), pp. 693-702

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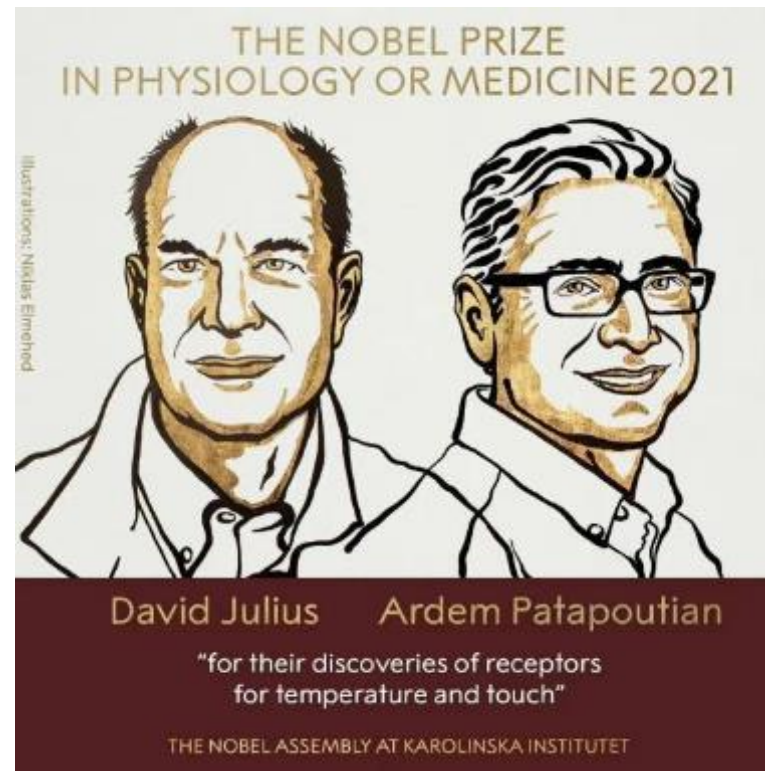
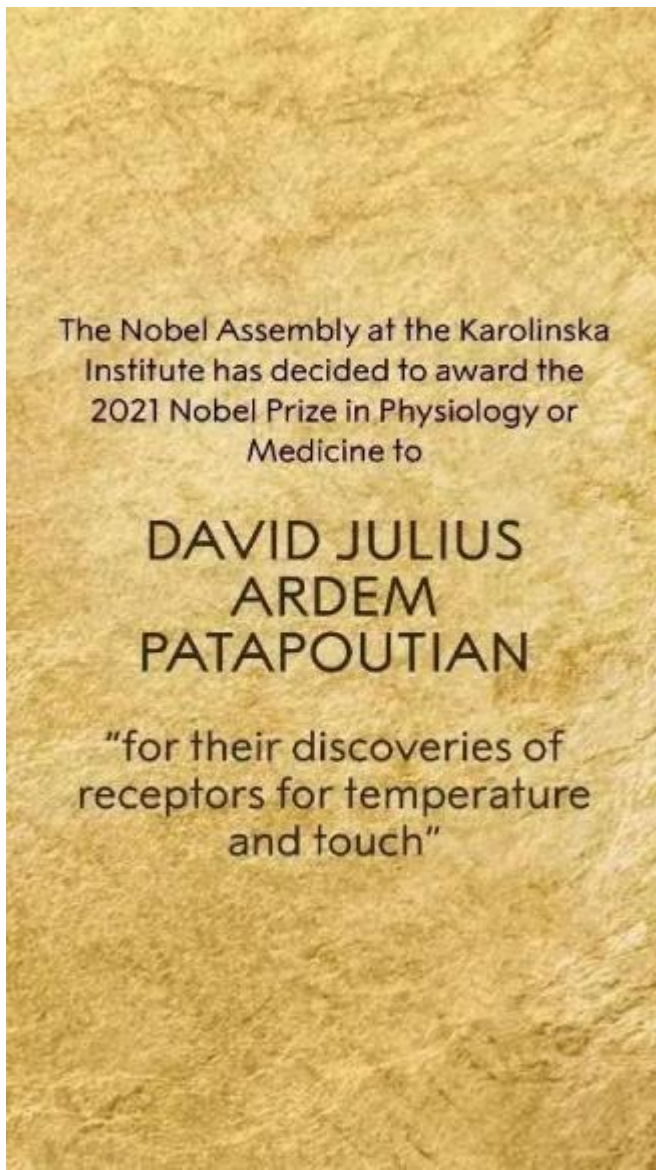
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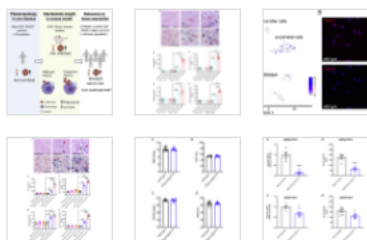
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Cell

Volume 184, Issue 4, 18 February 2021, Pages 969-982.e13





Article

A role of PIEZO1 in iron metabolism in mice and humans

Shang Ma ¹, Adrienne E. Dubin ¹, Yunxiao Zhang ¹, Seved Ali Reza Mousavi ¹, Yu Wang ¹, Adam M. Coombs ¹, Meaghan Loud ¹, Immacolata Andolfo ², **Ardem Patapoutian ^{1,3}**  

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Referred to by Neil A. Hanchard, Ambroise Wonkam

"Iron"ing out hemophagocytosis through PIEZO1

Cell, Volume 184, Issue 4, 18 February 2021, Pages 856-858

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Highlights

- Expression of gain-of-function PIEZO1 in macrophages induces iron overload in mice

Ardem Patapoutian

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《Journal of Ethnopharmacology》（民族药理学杂志）致力于根据国际公约确立的原则，交流有关人们使用植物，真菌，动物，微生物和矿物质及其**生物学**和**药理学影响**的信息和理解。

今天的民族药理学研究包括以下方面的多学科努力：

- 记录**本土医学知识**，
- 对**本土药物**进行科学研究，以便从长远来看改善研究地区的保健
- 从现有的本土疗法中寻找药理学上独特的原则。

《Journal of Ethnopharmacology》发表原创文章，涉及对过去和现在文化的传统医学中使用的植物和动物物质的生物活性的观察和实验研究。该杂志将特别欢迎具有**民族药理学**，**民族植物学**或**民族化学**方法的跨学科论文来研究本土药物。**人类学**和**民族植物学**田野研究的报告属于该杂志的范围。涉及**药理学**和**毒理学**作用机制的研究特别受欢迎。如果有助于理解特定的民族药理学问题，将考虑疗效的临床研究。该杂志欢迎上述领域的评论文章，特别是那些强调民族药理学多学科性质的文章。评述仅应邀者提供。

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