

東京歯科大学 大学院紹介

生理学講座で、
国際的歯科医学研究を
一緒にやりませんか？

東京歯科大学 生理学講座

生理学講座・大学院生 誰でもどうぞ！

1. 歯科医学の未来・将来を開拓したい
2. 全身管理を理解できる歯科医師になりたい
3. 多くの医療分野で、歯科医学を応用したい
4. 世界に通用する論文で学位を取得したい
5. 希望どおりに研究！バイト！将来！を組み立てたい

生理学講座・大学院 論文数

良い論文を書くことが学位取得の早道

 International Journal of
Molecular Sciences **IF: 5.923** 

Article
Functional Coupling between the P2X₇ Receptor and Pannexin-1 Channel in Rat Trigeminal Ganglion Neurons

Hiroyuki Inoue^{1,2,†}, Hidetaka Kuroda^{1,3,†}, Wataru Ofusa¹, Sadao Oyama¹, Maki Kimura^{1,†}, Tatsuya Ichinohe² and Yoshiyuki Shibukawa^{1,*}

 **biomolecules** **IF: 4.879** 

Article
Plasma Membrane Ca²⁺-ATPase in Rat and Human Odontoblasts Mediates Dentin Mineralization

Maki Kimura^{1,†}, Hiroyuki Mochizuki^{1,†}, Ryouichi Satou², Miyu Iwasaki², Eitoyo Kokubu³, Kyosuke Kono¹, Sachie Nomura¹, Takeshi Sakurai¹, Hidetaka Kuroda^{1,4,†} and Yoshiyuki Shibukawa^{1,*}

 ORIGINAL RESEARCH
published: 20 April 2021
doi: 10.3389/fphys.2021.634846 

IF: 4.566

Large-Conductance Calcium-Activated Potassium Channels and Voltage-Dependent Sodium Channels in Human Cementoblasts

Satomi Kamata^{1,2}, Maki Kimura², Sadao Ohyama², Shulchiro Yamashita¹ and Yoshiyuki Shibukawa^{2*}

 ORIGINAL RESEARCH
published: 24 August 2021
doi: 10.3389/fphys.2021.704518 

IF: 4.566

Mechanical Stimulation-Induced Calcium Signaling by Piezo1 Channel Activation in Human Odontoblast Reduces Dentin Mineralization

Mayumi Matsunaga^{1,2}, Maki Kimura^{1†}, Takehito Ouchi^{1†}, Takashi Nakamura³, Sadao Ohyama¹, Masayuki Ando¹, Sachie Nomura¹, Toshifumi Azuma³, Tatsuya Ichinohe² and Yoshiyuki Shibukawa^{1*}

Contents lists available at ScienceDirect
Physiology & Behavior
journal homepage: www.elsevier.com/locate/physbeh 

Use of barometric pressure and electromyography measurement techniques to elucidate the mechanisms by which bolus passes from the oral cavity to the oropharynx during swallowing 

IF: 3.244

2021年の論文のみ

生理学講座・大学院 論文数

皆さんの学位論文が、国家試験を、教科書を塗り替えます

 **frontiers**
in Cellular Neuroscience

ORIGINAL RESEARCH
published: 11 June 2019
doi: 10.3389/fncel.2019.00255

Pflügers Arch - Eur J Physiol (2015) 467:843–863
DOI 10.1007/s00424-014-1551-x

IF: 5.505



SENSORY PHYSIOLOGY

IF: 3.657

Merkel Cells Release Glutamate Following Mechanical Stimulation: Implication of Glutamate in the Merkel Cell-Neurite Complex

Asuka Higashikawa, Maki Kimura, Miyuki Shimada, Sadao Ohyama, Wataru Ofusa, Masakazu Tazaki and Yoshiyuki Shibukawa*

Department of Physiology, Tokyo Dental College, Tokyo, Japan

Odontoblasts as sensory receptors: transient receptor potential channels, pannexin-1, and ionotropic ATP receptors mediate intercellular odontoblast-neuron signal transduction

Yoshiyuki Shibukawa · Masaki Sato · Maki Kimura · Ubaidus Sobhan · Miyuki Shimada · Akihiro Nishiyama · Aya Kawaguchi · Manabu Soya · Hidetaka Kuroda · Akira Katakura · Tatsuya Ichinohe · Masakazu Tazaki

Research Reports: Biological

High pH-Sensitive TRPA1 Activation in Odontoblasts Regulates Mineralization

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for Dental Research 2016
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DOI: 10.1177/0022034516644702
jdr.sagepub.com

M. Kimura¹, T. Sase², A. Higashikawa¹, M. Sato¹, T. Sato²,
M. Tazaki¹, and Y. Shibukawa¹

IF: 6.116

生理学講座・大学院生

ぜひ、臨床の研鑽も積んで、臨床応用できる生理学研究を進めてください。

たくさんのバイト先

インプラント専門医

補綴指導医、小児歯科専門医

地域医療

口腔外科系病院

地域医療型歯科医院

生理学講座・大学院生 世界に羽ばたこう

国内学会・国際学会にたくさん行って、 多くの友達を作りましょう

2022年は、マルセイユ

The banner features a blue background with a white starburst logo on the left containing the text "PER-IADR". To the right, the text reads "Pan European Region of the International Association for Dental Research Congress" and "September 15-17, 2022" in a red pill-shaped box, with "Palais du Pharo - Marseille, France" below it. The background image shows a coastal cityscape with a large stone fortification on an island in the water.

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A collage of three photographs from Marseille, France. The left photo shows a harbor with a large cathedral in the background and a stone fortification in the foreground. The middle photo shows a large, ornate classical building with a curved architectural element. The right photo shows a marina filled with many sailboats and yachts.

生理学講座・大学院生の学費
研究・臨床・教育で活躍しながら、
十分な学費の補充が可能

日本学生支援機構奨学金

多くの大学院生が、特に優れた業績による返還免除を受けています

皆で楽しくエンジョイ研究ライフ！

