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2021 FEBUARY NEWS

CONGRATULATIONS PROLAB Winners



10 young scientists win PROLAB awards. They will use the awards to conduct research in academic laboratories in the United States and Canada.

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FEBRUARY 28 APPLICATION DEADLINE

*IUBMB Advanced School and Workshops on
"Proteins in Nanobiology and Nanobiotechnology"*

https://iubmb.org/wp-content/uploads/2020/12/IUBMB_AdvancedSchoolAndWorkshop2021Cuba1stCall.pdf

MARCH 15 APPLICATION DEADLINE

IUBMB Advanced School on Redox Alterations and Cellular Responses: From Signalling to Interventions

<https://redoxalterations2022.febsevents.org/>

MARCH 20 ABSTRACT DEADLINE

IUBMB Focused Meeting on Neurodegenerative Diseases

<https://iubmb.npas.programs.sinica.edu.tw/>

MARCH 31 PROPOSAL SUBMISSION

The 2027 IUBMB Congress applications is now open for bids

<https://iubmb.org/about/guidelines-statutes/guidelines/iubmb-congresses/>

APRIL 1 APPLICATION DEADLINE

IUBMB Advanced Schools



Organizers must complete the appropriate IUBMB Application

APRIL 1 APPLICATION SUBMISSION

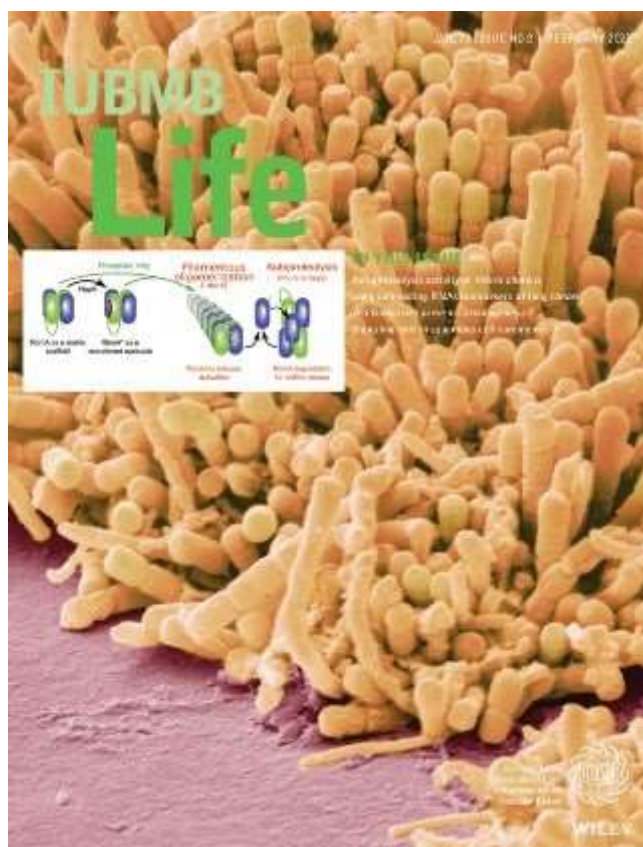
IUBMB Educational Activities



The Committee considers applications from all IUBMB

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IUBMB JOURNALS

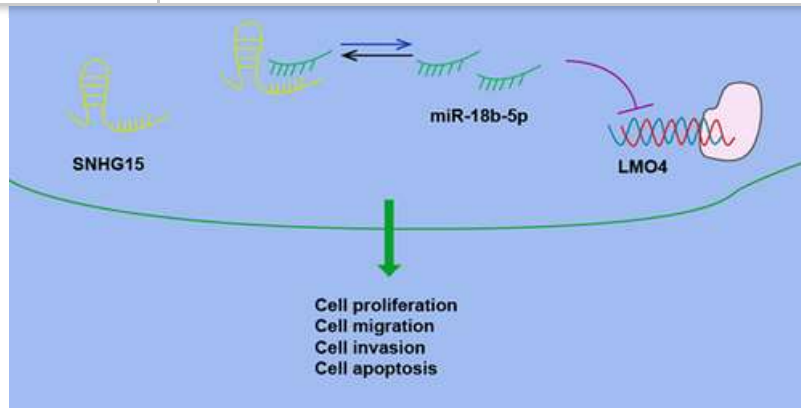


[New Issue: Volume 73, Issue 2](#)

Issue Highlights

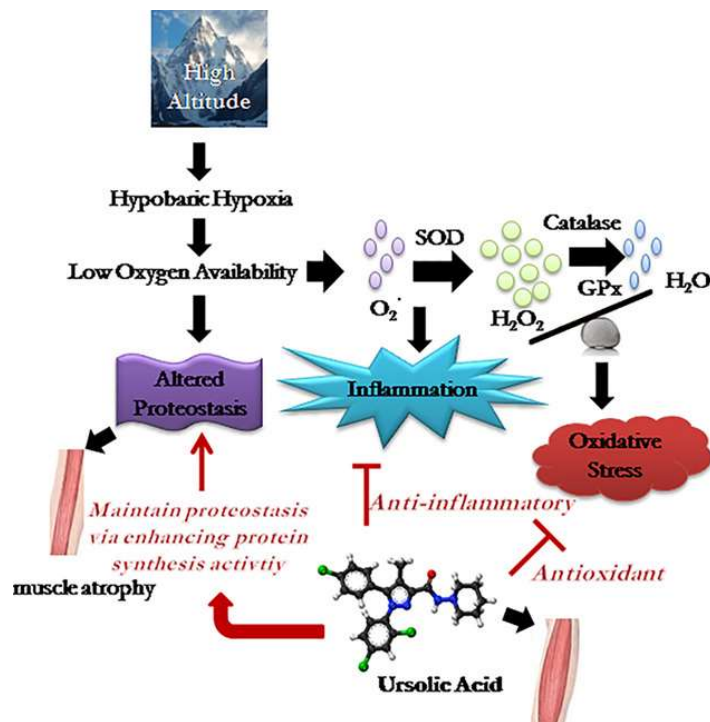
- [Long non-coding RNAs as potential biomarkers in the prognosis and diagnosis of lung cancer: A review and target analysis](#)

This study suggests that SNHG15 binds to miR-18b-5p to modulate LMO4, thereby affecting cell proliferation, migration, invasion and apoptosis of liver cancer.



- [Ursolic acid ameliorates hypobaric hypoxia-induced skeletal muscle protein loss via upregulating Akt pathway: An experimental study using rat model](#)

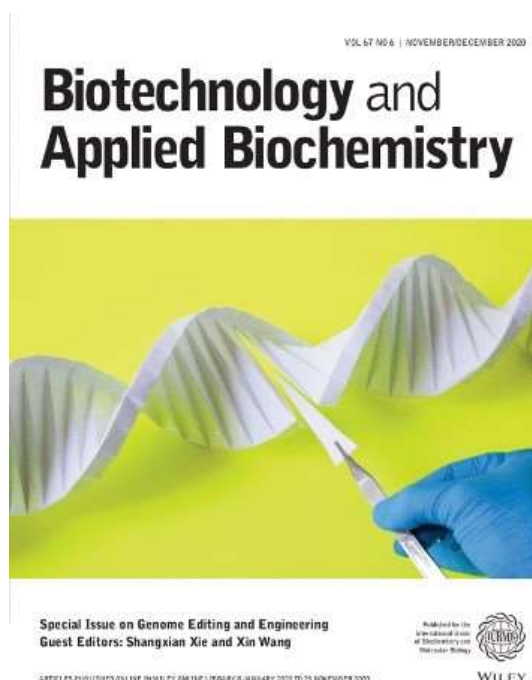
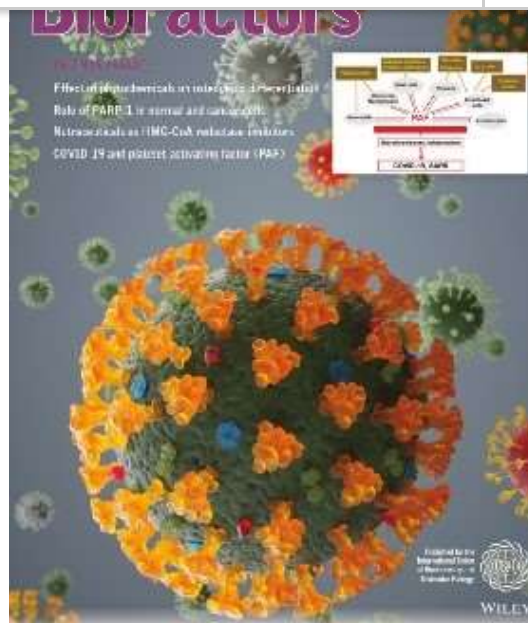
Ursolic acid is a naturally occurring pentacyclic triterpene acid present in several edible herbs and fruits. Hypobaric hypoxia induced muscle protein loss attributed to multifaceted pathways, included oxidative stress, inflammation and protein degradation. Supplementation of ursolic acid attenuated hypobaric hypoxia induced oxidative damage, inflammation, enhanced Akt, pAkt and p70S6kinase activity and antioxidant status in the skeletal muscle. Conclusively, ursolic acid showed potent antioxidant, anti-inflammatory activity and enhanced the protein content via upregulation of Akt pathway related proteins. These three biological activities makes ursolic acid a novel candidate for amelioration of hypobaric hypoxia induced skeletal muscle damage and protein loss.



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Issue Highlights

- [Phytochemicals impact on osteogenic differentiation of mesenchymal stem cells](#)
- [Medicinal plants and bioactive natural compounds as inhibitors of HMG-CoA reductase: A literature review](#)



[Volume 67, Issue 6](#)

Issue Highlights

Special Section on
Genome Editing and Engineering:
For November/December 2020 Issue

[New Virtual Issue on Teaching in the Time of COVID-19](#)

[Volume 49, Issue 1](#)

Issue Highlights

- [Ten best practices for taking experiential learning online](#)

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[labs on bioinformatics and drug design](#)

And many other COVID-19 related papers!

Molecular Biology Education

IN THIS ISSUE:

EDITORIAL: How does IUBMB support Education and Training?

Test Best Practices for Taking Experiential Learning Online

Pandemic Teaching: Creating and teaching cell biology labs online during COVID-19

"Designer babies?": A CRISPR-Based Learning Module for Undergraduates Built Around the CCR5 Gene

Quality of concept maps is affected by map building strategies



UPCOMING MEETINGS



Due to the COVID-19 pandemic, unfortunately we had to postpone the meeting earlier of 2020. We decide to rearrange the meeting on April 21-23, 2021.

******The meeting will be held in Academia Sinica and the foreign speakers will be joined by an pre-recorded video talk and live Q&A. Virtual meeting will be open for foreign only.

Mar 20: Abstract Submission | **Apr 10:** Registration Deadline

<https://iubmb.npas.programs.sinica.edu.tw/>

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The 2021 ASBMB Annual Meeting, held in conjunction with [Experimental Biology](#), offers unmatched opportunities to showcase your work, learn from other scientists about their latest findings and expand your professional circle.

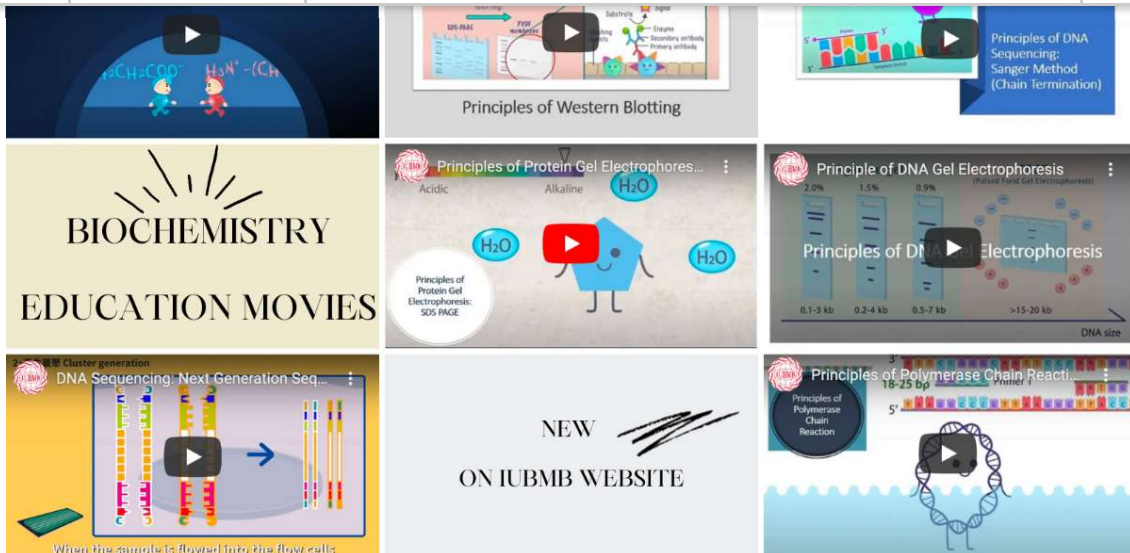
Apr 12: Early Registration Deadline

<https://www.asbmb.org/meetings-events/2021-annual-meeting>

***** Interested in attending a virtual meeting? Now you can by applying for the IUBMB MilliporeSigma Virtual Meeting Fellowships**

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IUBMB BIOCHEMISTRY EDUCATION MOVIES

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Check out our new biochemistry education animation movies. Thank you President Wang and his team at National University of Taiwan, and Biochemical Technology Education Foundation for support.

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