



MitochondriaWorld™

Uniting the Global Mitochondria Communities

Informing

Researchers

- Promoting and organizing upcoming **Events** including **web seminars** on an online calendar
- Hosting **MitoPapers** to fuel cross-disciplinary science, promote the work of trainees, and encourage collaboration
- Posting curated lists of **recent literature**
- Maintaining a **Mitochondria Research Library** of curated classic papers

Patients

- Publishing and updating the live **MitoGuide** to provide accurate and digestible resources about mitochondrial diseases, dysfunctions and therapeutic options.
- Curating and publishing original **MitoNews** articles focused on advances in mitochondrial biology and medicine.
- Publishing **interviews with scientists and clinicians** aimed to inform patients and their families.

Connecting

Researchers

- Developing **research forums** to build community across institutions and among investigators and trainees.
- Hosting **job listings** to connect trainees with mitochondrial expertise to postdoctoral and industry positions
- Connecting **investigators to patients registries, biotech/Pharma, and regulators** through partnerships to advance research into the clinic

Patients

- Providing connections with advocacy organizations and **registries**
- Working with investigators, clinicians, and industry to host a directory of **clinical studies** and maintain a recent list of links to relevant recruiting **clinical trials**
- Hosting and maintaining the **MitoWorld Map** to help patients find accessible clinicians

Organizing

Researchers

- Establishing subject matter **Task Forces** to connect and organize investigators around key topics in mitochondrial biology
 - Primary Mitochondrial Disease
 - Immunometabolism
 - Neurobiology
 - Aging
 - Others to be defined
- Hosting annual **Focus Area Symposia** to drive and organize collaborative

Patients

- Encouraging and facilitating **dialog across patient groups** to enhance help grow their communities and reach
- Enabling greater transparency and enhancing outreach for patient registries
- Directing patients to upcoming informational and advocacy events
- Providing an updated set of **curated resources** of use to all patient groups

Advocating

Researchers

- **Raising awareness** for the role of mitochondria in fundamental biology and disease processes among the general public
- Interacting with large-scale philanthropic groups to **develop greater support** and funding for mitochondrial research
- Curating and maintaining and list of **mitochondrial research resources** and databases in a central location for the community

Patients

- **Raising awareness** for primary and secondary mitochondrial diseases among the public, funders, and non-specialist physicians
- Developing **educational materials** to explain mitochondrial biology to patients and their families
- Providing information and **resources** to help patients **communicate with their doctors** about their symptoms and disease progression

MitoWorld™ is dedicated to building community and catalyzing collaboration to speed the time to discovery, understanding, and therapy.

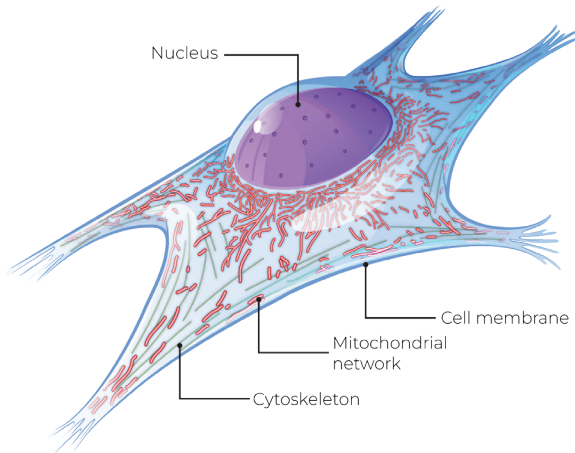
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M I T O

Who We Are



www.MitoWorld.org is an evolving web portal bringing together researchers, advocacy networks, and clinical resources to accelerate advances in mitochondrial biology and patient care while communicating the central role of mitochondria in disease and health to the broader public. Its overarching goal is to enable the global mitochondrial research and clinical communities to make breakthroughs in basic science and advance metabolic medicine.

Post Your MitoPapers

Mitochondrial Integrated Stress Response Controls Lung Epithelial Cell Fate

PMID: 37558881
Journal: Nature
Date of Publication: August 9, 2023
Institutional Affiliation: Northwestern University, Chicago, IL, USA

Authors
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Abstract
 Alveolar epithelial type 1 (AT1) cells are necessary to transfer oxygen and carbon dioxide between the blood and air. Alveolar epithelial type 2 (AT2) cells serve as a partially committed stem cell population, producing AT1 cells during postnatal alveolar development and repair after influenza A and SARS-CoV-2 pneumonia¹⁻⁶

PaperClip Video
 NDUF52 cKO transitional cells display increased Integrated Stress Response (ISR)

Scan the QR code below to submit your MitoPaper



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