OROBOROS INSTRUMENTS

high-resolution respirometry



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Mitochondrial Physiology Collection

Mitochondrial Physiology (MiP) 'continues a tradition of rigorous mitochondrial bioenergetics' (quoting International MiP*society* www.mitophysiology.org). The company OROBOROS INSTRUMENTS Corp. values this tradition as a basis continuous instrumental development, which is part of our concept Corporate Social of Responsibility. In this spirit and with emphasis on our Educational initiated Responsibility, we support the MiP-Collection.

Mission

Mitochondrial health is one of the most important emerging issues of preventive medicine, strongly related to aerobic exercise, healthy food and an active lifestyle. In contrast, 'mitochondrial fever' resulting from a sedentary life style increases cardiovascular risks, degenerative diseases in aging and numerous pathologies that reduce the quality of life and increase the cost of our health system.

Aims

The growing MiP-Collection aims at preserving scientific instruments that are of historical importance in the field bioenergetics of mitochondrial physiology. The fast scientific equipment turnover of makes obsolete even comparatively instrumentation. recent OROBOROS Oxygraph was the first commercial mitochondrial respirometer using a computer for

data acquisition. Today, chart recorders are nearly forgotten. Due limitations of storage space, scientific equipment disposed of, despite its potential historical value. The disposal of some unique apparatus constitutes an irreversible loss to science and and to the continued appreciation of the foundations of our scientific discipline.

You may consider to make items of scientific historical interest in mitochondrial physiology available to the *MiP-Collection*. These items of the *MiP-Collection* may specifically include historically valuable

- equipment and accessories,
- books and symposium proceedings,
- · reprint collections,
- pictures, slides, documents.

Perspectives

- 1. The first phase of the MiP-Collection will increase the present collection to critical size а standard, international particular emphasis on Mitochondrial Respiratory Physiology. An archive is generated, including personal and general descriptions of the collected items, with reference to their source, application and key publications. The storage capacity is expanding according to the increasing demand of the MiP-Collection.
- 2. The second phase of the *MiP-Collection* will be a special exhibition, preferentially in conjunction with an international MiPconference.

OROBOROS MiPArt Gallery

www.mipart.at

Schöpfstr.18, A-6020 Innsbruck, Austria.
UID-Nr/VAT-No: ATU 30823909 DVR: 0804593



- 3. The third phase of the MiP-Collection will be a permanent exhibition, accessible to the public, and particularly to researchers and students of mitochondrial physiology and of the history of science. The MiP-Collection and MiPArt Gallery are complementary educational initiatives for strengthening the general appreciation of mitochondrial physiology and pathology in modern society.
- 4. The MiP-Collection should become recognized as the 'MiP Science Museum'. Interactions will be implemented as an approach towards education, providing an experience of cell respiration, mitochondrial function and efficiency by aerobic activity, from muscular power to brain power.

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Status

The MiP-Collection is a non-profit Presently, initiative. financial support is provided by OROBOROS INSTRUMENTS, and we seek a broad basis of support by scientists and The MiP-Collection should experts. become recognized and identified as project of **Educational** Responsibility by specific scientific societies, health organisations, educational organisations, government and non-government organisations.

Please, contact us if you intend to contribute historically valuable items to the *MiP-Collection* and want to receive more information.

www.mipart.at/index.php?mip-collection

Email: erich.gnaiger@oroboros.at
See also: www.alpmuseum.at

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Reply form:		
I am interested in supporting the MiP-Collection, as a		
	Mitochondrial physiologist	MiP-Collection contributor
	Scientific expert in	
	Educational expert	
	Other	
Name:		
Institution:		
Address:		
Tel:		
Email:		

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