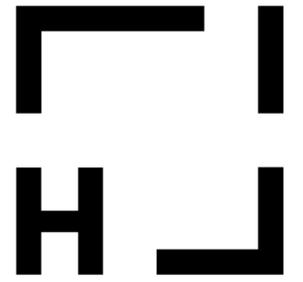


Helmholtz Imaging



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Spokespersons: Christian Schroer (DESY), Klaus Maier-Hein (DKFZ), Thoralf Niendorf (MDC)



Our Mission

Helmholtz Imaging's mission is to **unlock the potential of imaging** in the Helmholtz Association. Helmholtz Imaging is the overarching platform to better leverage and make accessible to everyone the innovative modalities, methodological richness, outstanding expertise and data treasures of the Helmholtz Association. **Imaging-based research projects** are encouraged to contact us for **scientific or technical support**, to enter into **collaborations** with our research groups, or to network with imaging experts from other Helmholtz programs. Helmholtz Imaging is implemented by DESY, DKFZ and MDC on behalf of the General Assembly.

Our Research

Helmholtz Imaging covers the **entire imaging pipeline** from sensory data acquisition, data preparation, data management to data analysis, validation and dissemination, enabling the delivery of generalizable imaging solutions. Each part of this imaging process is associated with specific scientific challenges and research software tools. Expertise on all these issues is available in the Helmholtz community. Helmholtz Imaging has three research units that specialize in different areas of the imaging pipeline: **model-based inverse design**, **integrative imaging data science** and **image analysis & benchmarking**.

Our Impact



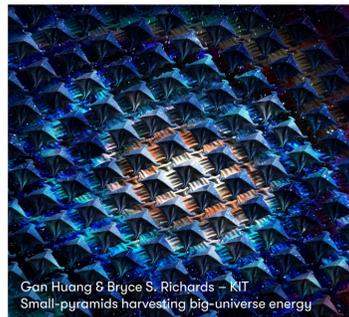
Our Support & Services to the Imaging Community

HelpDesk & Collaborations

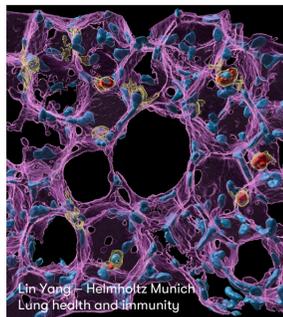
Exploit the expertise of Helmholtz Imaging, it is just one email away. Get in touch with us via our helpdesk – the gateway for all requests be it support for data handling, consultation regarding software or methods, or research issues.

Lets solve imaging challenges together. Start a Helmholtz Imaging Collaboration with us. Benefit from our broad knowledge on the rich pool of methods that enable state-of-the-art solutions tailored to your problems.

helpdesk@helmholtz-imaging.de



Gan Huang & Bryce S. Richards – KIT
Small-pyramids harvesting big-universe energy



Lin Yang – Helmholtz Munich
Lung health and immunity

Solutions

Help us share easy-to-use open-source imaging Solutions. We curate a catalog of Helmholtz Imaging Solutions developed within our community.

We offer a framework for reproducibly distributing solutions to specific scientific problems.

<https://album.solutions>



Engage centers.
Leverage synergies.

Modalities & Network

Find imaging expertise and project partners at Helmholtz Imaging Modalities. Gain an overview of the broad spectrum of novel imaging modalities and find the experts you are looking for.

<https://modalities.helmholtz-imaging.de>

Be Helmholtz Imaging!
Create your profile today!



Community Events

We offer workshops, lecture series, and hackathons on a regular basis. Don't miss out - subscribe to our newsletter!

Helmholtz Imaging Conference

We organize an annual conference to bring together imaging enthusiasts. More information to come soon

Best Scientific Image Contest

Every year, we look for the best image within the Helmholtz Association. The 2024 call will be announced soon.



Sign up for our newsletter:

<https://helmholtz-imaging.de/newsletter>

Storage

Share large imaging datasets with your collaborators, using Helmholtz Imaging Storage. Get your folder:

helpdesk@helmholtz-imaging.de

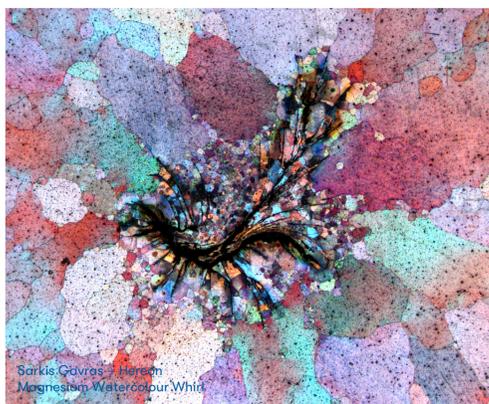


Projects

Get funding for your inter-disciplinary research on imaging. Apply for our annual Helmholtz Imaging Projects calls.

Helmholtz Imaging Projects are granted to interdisciplinary research teams that systematically find and exploit synergies across modalities and research questions, highlighting common challenges and generalizing solutions across the Helmholtz community.

Stay tuned for the HI Projects 2024 call!



Sarkis Cavras - Heron
Magnesium Watercolour White



Helmholtz Imaging Conference 2023
Group photo