



INNOVATION

WHAT IS nICLAS?

With nICLAS, the innovation center for laboratory automation Stuttgart, Fraunhofer IPA has created a new institution that connects manufacturers, users and researchers in order to enable interdisciplinary exchanges, business and new developments as well as to address all challenges related to labs and bio production.

Why nICLAS? Modern laboratories are highly complex data factories. Automation can help to master the growing complexity in the Life Sciences industry and to create space for innovations. Personalized production and individualized medicine require new efficient solutions through automation and digitalization. We want to demonstrate how adequate lab automation should be implemented in order to meet the needs of tomorrow. nICLAS brings together all steps in one place from concept to realization and testing.

How does it work? nICLAS offers custom made solutions:

- The nICLAS Academy: establishes a basis for interdisciplinary cooperation.
- The nICLAS ReferenceLab: sets new quality standards for approved devices and validated processes.
- The nICLAS FutureLab: keeps you on top of current trends, ranging from personalized production to Lab 4.0.



nICLAS ACADEMY

TRAINING AND EDUCATION

We establish the foundations for interdisciplinary cooperation in laboratories. Our training programs in the field of laboratory automation aimed at your young talents and experienced executives create a solid base for new innovation. Always stay at the cutting edge with the expertise and experience of our interdisciplinary team. We organize expert forums and impart profound theoretical knowledge of methods and current technologies. Acquired expertise can immediately be applied and furthered in the Academy.

Your benefit: always up-to-date

- Your staff are well trained in dealing with the newest technologies – always keeping an eye on the future
- Your junior staff are prepared for your company's individual needs
- You get a recruiting platform to support the sustainable development of your company
- You can reduce training costs and shorten training periods



nICLAS REFERENCE LAB

VALIDATE, TEST AND STANDARDIZE

We establish new quality standards in laboratories through approved devices and validated processes. The ReferenceLab evaluates technologies for you and creates standards through its own certification system.

Lost in translation – does a process transfer appear to be an insurmountable hurdle? We master the proof of concept and provide support throughout its realization – always keeping an eye on your development risk. Or do you have new ideas and processes but lack the resources to develop it properly? Simply use the automated laboratory infrastructure of nICLAS and draw upon the comprehensive knowledge of our experts.

Your benefit: constantly monitored risks and quality

- Approved quality for software and hardware
- Evaluate new technologies without affecting your resources
- Sustainable success through complexity management



nICLAS FUTURE LAB

COOPERATIVE R&D

We connect you with developers and creative minds, in order to conceive technologies for the laboratory of the future. Technological solutions are prototypically implemented in the FutureLab, and the innovations of tomorrow could well feature in your products.

The FutureLab moves on from the B2B approach in the laboratory and consequently places the user at the center of development for the first time. As an idea provider and innovator, the user will prospectively influence the value chain in the laboratory as a data factory.

SmartLab? Electrowetting? XaaS? Do you feel lost? We will show you where the journey leads you, with a clear and consistent focus on your company's needs!

Your benefit: always be ready for tomorrow's smart lab

- Enable personalized production in highly regulated environments
- Experience Industry 4.0 in pharma from now on
- Use profitable technologies from other sectors

COMMUNITY

HOW TO BECOME A MEMBER OF THE nICLAS COMMUNITY?

We provide attractive offers for the entire process chain in your laboratory and bio production. Heading for sustainable success with our partners!

Your profile:

- **You are** part of an innovative biotech company active in the field of research and development,
- Or manufacturer of hardware and software for laboratories,
- Or representative of an interest group,
- Or head of an academic institution or a screening project,
- Or an innovative biotech startup company,
- **And are** looking for sustainable automation?

If this is the case, nICLAS is exactly the right community to drive your project forward decisively. Contact us to set up your individual contract of cooperation and to benefit from all the structures and advantages of our innovation center. You'll find the relevant contact details on the back.

We would be happy to inform and advise you in person about niCLAS and how you can participate.

Contact

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