

## We make polymers fit for future!

Dear Ladies and Gentlemen,

From medicine to recycling - today we again present a wide range of topics from the Fraunhofer IAP. We are particularly pleased about our new working group in the research division CAN at our Hamburg site, which will focus on "Nanocellular Interactions". Meanwhile, great attention was paid to our "Fiber Technology" department, which has achieved a breakthrough in the recycling of textile cotton in cooperation with a Swedish partner company.

All in all, our research in the bio-economic field is attracting a lot of attention. We were pleased to welcome Tobias Dünow, State Secretary for Science, Research and Culture of the State of Brandenburg, who was visiting us to get an impression of our extensive expertise. In October you will also have the opportunity to learn more about our expertise: I sincerely invite you to the Fraunhofer Solution Days as a digital event!

Yours sincerely,

A handwritten signature in blue ink, appearing to read "Alexander Böker".

Prof. Alexander Böker

## NEWS FROM RESEARCH AND DEVELOPMENT

### Breast cancer diagnosis in real time



A new working group under Dr. Neus Feliu Torres at our CAN site in Hamburg is researching a new non-invasive breast cancer diagnosis using blood: LIBIMEDOTS.

[MORE INFORMATION](#)

### From old jeans to new t-shirt



We are working on a new method of efficiently recycling cotton clothing and making it available again as a resource to the textile industry.

[MORE INFORMATION](#)

## ON OUR OWN ACCOUNT

Our Annual Report 2019 is online!

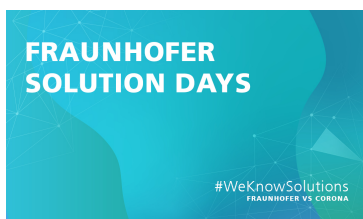


We are pleased to provide you with the Annual Report 2019 of the Fraunhofer Institute for Applied Polymer Research IAP, in which we look back on another successful year. We wish you informative reading and thank all customers, cooperation partners and friends of the institute for the trustful and successful cooperation in 2019.

[DIRECT DOWNLOAD](#)

Digital event | October 26, 2020 - October 29, 2020

### Fraunhofer Solution Days 2020



4 days, 4 Fraunhofer research topics: Meet us digitally on the third theme day: "The health economy – rethinking procedures" (28 October 2020) at our virtual booth. Lectures, live chats and digital exhibits will enable you to exchange ideas with us directly.

[PROGRAM](#)

[REGISTRATION](#)

### Fraunhofer IAP at the Fraunhofer Solution Days 2020: Membranes for medicine

Blood oxygenation, dialysis or air filtration - the applications of membranes in medicine are manifold. The separation, filtration, clarification of liquids, gases and solids often requires process-optimized adaptation of membrane morphologies. At the Fraunhofer IAP we are able to individually adjust the porosity, pore size and structures of membranes. We also develop optimized membrane materials.

Dr.-Ing. Murat Tutuş, working group leader for "Membranes and Functional Films", presents the various possibilities for membrane design and is available for application-oriented questions in the live chat (presentation in German).

## Fraunhofer IAP at the Fraunhofer Solution Days 2000: From the idea to the product - *in vitro* drug screening

By means of various *in vitro* methods in drug screening, active ingredients can be examined at an early stage for their effectiveness, efficiency or possible undesired (side-)effects. This early implantable test procedure of a potential active ingredient for its potential toxicity, biocompatibility and efficacy can save valuable resources in the development towards the finished product especially for the pharmaceutical, cosmetic and medical device sector.

### We make polymers fit for future!

At the Fraunhofer IAP we develop bio-based and synthetic polymers that are efficient, intelligent and sustainable - from the laboratory to industrial scale.

The applications are manifold: bio-based packaging, materials for lightweight construction, phosphors for displays, truck tires with less abrasion, biodegradable bone splints, antimicrobial contact lenses and much more.

[TO THE HOMEPAGE](#)

### Contact

#### Dr. Sandra Mehlhase

Press and public relations

Telephone +49 331 568-1151

Fraunhofer IAP  
Geiselbergstraße 69  
14476 Potsdam-Golm

[→ Send e-mail](#)

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short, we forge the future.

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zur Förderung der angewandten Forschung e.V.  
Hansastraße 27 c  
80686 München  
Internet: [www.fraunhofer.de](http://www.fraunhofer.de)  
E-Mail: [info\(at\)zv.fraunhofer.de](mailto:info(at)zv.fraunhofer.de)

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