

Forschungsförderung, von IIS bis PPP

Die Sicht der pharmazeutischen Industrie

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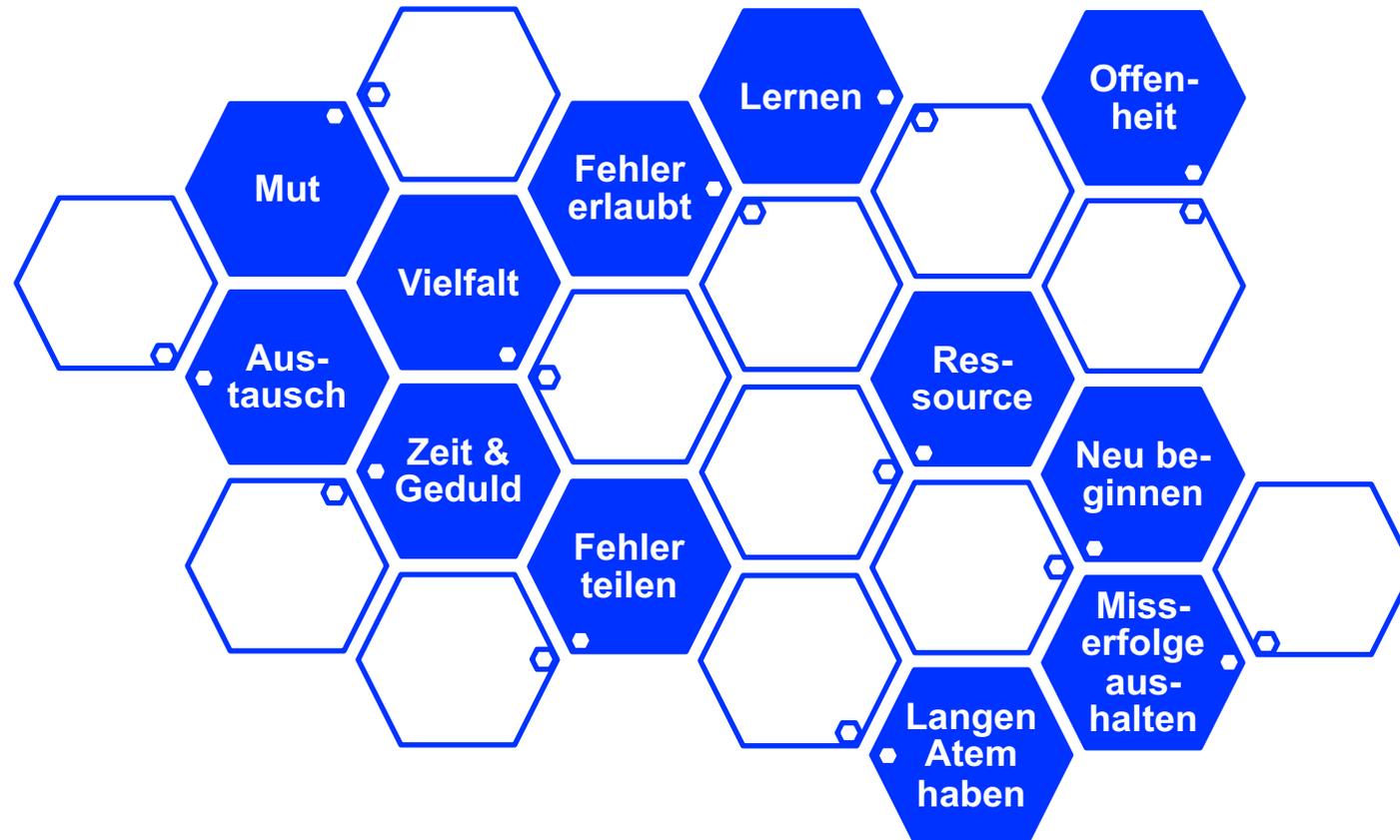
Was ist *Forschung*?

das Arbeiten an wissenschaftlichen Erkenntnissen; Untersuchung eines wissenschaftlichen Problems

- Any creative systematic activity undertaken in order to increase the stock of knowledge, including knowledge of man, culture and society, and the use of this knowledge to devise new applications. *(OECD, 2015)*
- Research is a process of steps used to collect and analyze information to increase our understanding of a topic or issue. It consists of three steps: pose a question, collect data to answer the question, and present an answer to the question. *(John W. Creswell)*
- Studios inquiry or examination; *especially*: investigation or experimentation aimed at the discovery and interpretation of facts, revision of accepted theories or laws in the light of new facts, or practical application of such new or revised theories or laws. *Merriam-Webster Online Dictionary*
 - **Ziel der Forschung – wir wollen etwas verstehen und weiterbringen**

„Gute Ideen brauchen viele Köpfe, viel Input ...“

Erfolg lebt von Vielfalt



Forschung im Pharma-Umfeld

Research & Development = Discovery & Development = Forschung und Entwicklung

- Was ist das richtige Umfeld?
- Wann ist es richtig und wofür?
- Wer macht was?
- Wer kann was?
 - Academia
 - Spin-offs, Startups
 - „Big“ Pharma

Beispiel Pfizer Inc.

- **Research & Development - Gesamtinvestment 8 Mrd USD / Jahr**
- Forschungsschwerpunkte => Bereiche mit Unmet Medical Need



<https://www.pfizer.com/science/drug-product-pipeline><https://www.pfizer.com/science/drug-product-pipeline>; Stand 29 Juli 2019,

Development - Beispiel Pfizer Inc.

Clinical Portfolio
Studies = 376
Studies with first subject first visit through completion of clinical study report

85 Countries
7,540 Sites
66,684 Subjects

Stand: 3. September 2019

**Technology & Facilities
for Drug Production
& Scaling up**

FOCUS AREAS We create revolutionary medicines across all therapeutic areas with the goal to enrich and extend life across all disease areas. Explore our latest innovations.

OUR SCIENCE / Therapeutic Areas | Pfizer

INTERNAL MEDICINE
Track How We're Slowing Disease Progression

RARE DISEASE
See Our Uncommon Determination Against Rare Disease

INFLAMMATION & IMMUNOLOGY
See How We're Talking on Autoimmune Disease

VACCINES
Follow Our Century of Researching Vaccines

ONCOLOGY
Discover One of the Deepest Oncology Pipelines

Research - Beispiel Pfizer Inc

Discovery projects

Eigene Forschungszentren

- von Grundlagenforschung bis Prä-Klinik und Klinik
- Technologie bis Produktion

Schwerpunktsetzung heißt auch STOP

- oder neue Optionen



R&D LOCATIONS

Pfizer has Research and Development colleagues across the world to support our pipeline. Details from major Research and Development locations are listed below.



ANDOVER, MASSACHUSETTS

70-acre site that combines state-of-the-art R&D facilities with flexible, multi-product manufacturing capabilities

[LEARN MORE ABOUT THIS SITE](#)



CAMBRIDGE UK

Neusentis, part of Pfizer Limited, consolidates Pfizer's Pain & Sensory Disorders and Regenerative Medicine units into a biotech like unit in Cambridge, UK.

[LEARN MORE ABOUT THIS SITE](#)



CAMBRIDGE, MASSACHUSETTS

Global headquarters for Pfizer's Center for Therapeutic Innovation (CTI), which has established locations in New York City, San Diego and San Francisco.

[LEARN MORE ABOUT THIS SITE](#)



GROTON, CONNECTICUT

Nearly every Pfizer product is developed, in part, in Groton.

[LEARN MORE ABOUT THIS SITE](#)



LA JOLLA, CALIFORNIA

Pfizer La Jolla Laboratories powerfully reinforces the company's presence in the global biotechnology industry.

[LEARN MORE ABOUT THIS SITE](#)



PEARL RIVER, NEW YORK

The Pearl River-Oncology Research Unit is focused on creating targeted therapies against a broad spectrum of cancers.

[LEARN MORE ABOUT THIS SITE](#)



SAN FRANCISCO, CALIFORNIA

Rinat was formed in 2001 as an independent, private biotech company. In 2006, it was acquired by Pfizer.

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SANDWICH, UK

Home of the Pharmaceutical Sciences and Global Regulatory Affairs groups.

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ST LOUIS - MISSOURI

Worldwide Research and Development's St. Louis laboratories are focused in the area of Biotherapeutics and Vaccines development.

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R&D EcoSystem – Beispiel Pfizer Inc

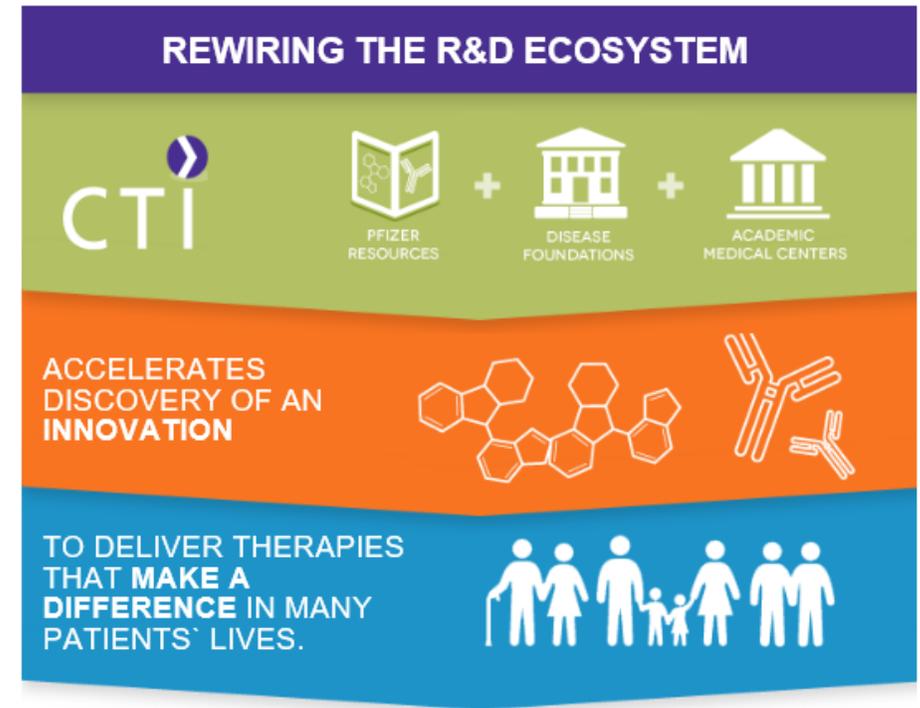
Centers for Therapeutic Innovation

The Centers for Therapeutic Innovation (CTI) is a pioneering research and development network initiated by pharma that uses an open innovation model to bring great ideas to fruition.

Our CTI sites were strategically chosen to capitalize on dynamic research communities throughout the U.S. Close proximity of the CTI labs to academic labs allows for in-person dialogue and collaborative problem solving, as well as facilitates the exchange of approved reagents and tools.

https://www.pfizercti.com/about_cti/cti_model

Breakthroughs that
change patients' lives



Research & Development – gemeinsam mit externen Partnern

Beispiel Pfizer Inc

PARTNERS / Discovery to Pre-candidate / Partnering Models

PARTNERING MODELS

What are you looking for in a partnership? Pfizer engages in flexible partnership models that includes research collaborations, venture capital investments, academic alliances for drug development, early stage seed funding, establishing incubators, licensing, and spinning out of companies.

Start a conversation with us. Let's learn about each other and discover synergies, goals, needs and capabilities. There are patients who are waiting, and together, we might deliver on the promise of better health and longer lives.

Academic & Public Partnerships

DISCOVERY TO PRE-CANDIDATE	–
Focus Areas	–
Internal Medicine	
Inflammation and Immunology	
Oncology	
Rare Disease	
Vaccines	
Partnering Models	
CANDIDATE THROUGH COMMERCIALIZATION	–

<https://www.pfizer.com/partners/discovery/partnership-models>

Breakthroughs that
change patients' lives

Unterstützung unabhängiger Forschung – Beispiel Pfizer Inc

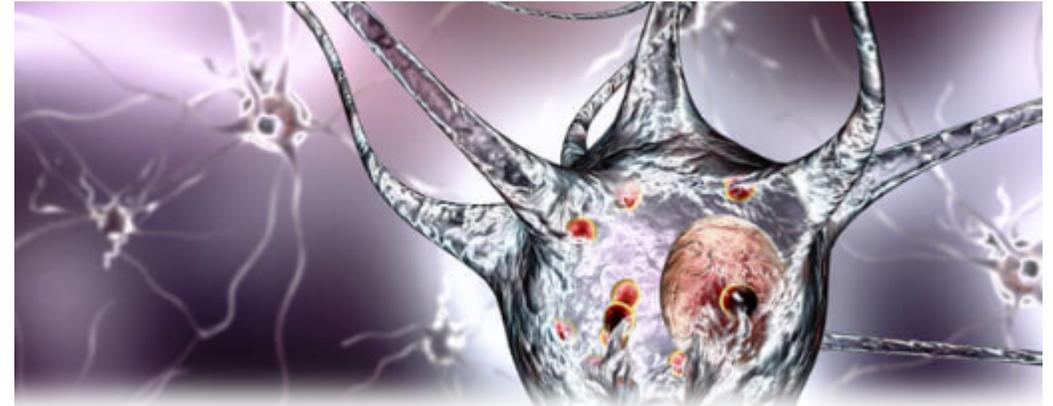
Independent Grants

- Investigator Initiated Studies (IIS, IST, ISR, IIT)
- General Research Grants
- Competitive Grant Programs
- Compound Transfer Programs
- Quality Improvement Initiatives
- *Sonderform: Collaborative Trials*



Wie kommt die Idee zur potentiellen (!) Unterstützung?

- Zu wem könnte die Idee passen?
 - Areas of Interest
- Kontakt zur „Medizin“ in der Firma
- Proposal - Rahmenbedingungen festlegen - Fokussierter Austausch – Entscheidung
- *Achtung: Entscheidungsspielraum lokal vs. global; Verträge*



R&D EcoSystem – Zusammenarbeit als Grundlage zum Erfolg

...., we know we can't go at it alone and are actively supporting the development of an emerging, highly networked ecosystem that will catalyze tomorrow's health innovation.

