

Centro de Pesquisa & Desenvolvimento em Biofotônica e Nano-biomateriais

Identidade Legal

O centro de NanoBioFotônica será uma entidade sem fins lucrativos.

Missão

Será um centro multiusuário, multi- e interdisciplinar, capaz de criar e prover soluções integradas para problemas científicos e tecnológicos complexos nas áreas de biomateriais avançados, nanotecnologia, biotecnologia e biofotônica.

Visão

Ser agente ativo na articulação da ciência e tecnologia do estado nas áreas de biomateriais, nanotecnologia e biofotônica.

Luz para a Saúde

Análise Global do Mercado & Oportunidades da Biofotônica: 2017 - 2024



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Biophotonics Market Size To Reach \$91.31 Billion By 2024

May 2016 | Report Format: Electronic (PDF)

The global biophotonics market was valued at USD 34.29 billion in 2015, which is estimated to reach USD 91.31 billion by 2024, according to a new report by Grand View Research, Inc. The developments in optical technologies, increasing investigations by researchers, and mounting demand for early diagnosis are anticipated to drive the market growth over the forecast period. Biophotonics, being an evolving area of scientific research, has several applications due to its ability to harnesses light for comprehending the problems.

Biophotonics market is primarily driven by the increasing demand for early diagnosis of cancerous cells under surveillance. New laser microscopes are being developed which allow exceptional resolutions.

Biophotonics also find applications in the field of research and development of biomaterials, which allow exceptional resolutions.

Specifications of microscopes and novel light-activated devices are also being developed.

During the forecast period, owing to its application in optical microscopy, the market is expected to witness significant growth. The market is projected to reach \$91.31 billion by 2024, growing at a CAGR of 14.5% during the forecast period.

Research and Markets

May 30, 2016, 10:00 ET

<https://www.grandviewresearch.com/press-release/global-biophotonics-market-2017-2022-growth-in-global-demand-for-biophotonics>

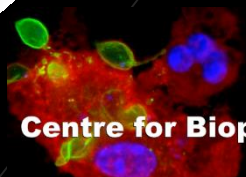
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Global Biophotonics Market 2017-2022: Growth by Applications Outside Healthcare Domain, \$60 Billion by 2022 - Research and Markets

BIOPHOTONICS .WORLD

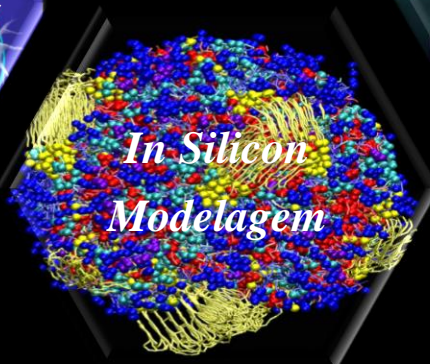
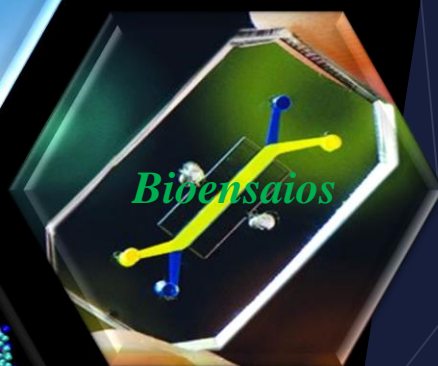
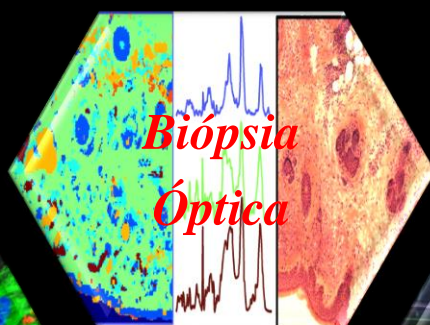
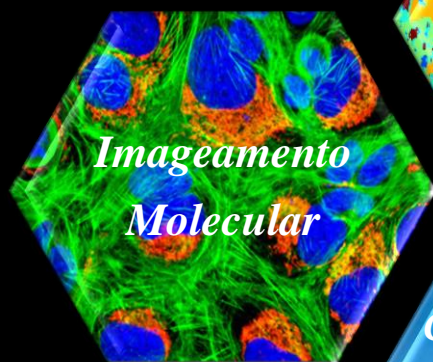
Center for BIOPHOTONICS Science & Technology



Centre for Biophotonics

University of Strathclyde Science

Áreas de atuação do Centro de Pesquisa & Desenvolvimento em NanoBiofotônica - Piauí - Brasil



INFRAESTRUTURA



Área Total 1500 m²

Laboratórios

Salas de Conferências

Salas de reunião

Biblioteca

Biotérios

Escritórios Administrativos

Salas de aula

Dormitórios

Refeitórios



ÁREAS DE ATUAÇÃO

Repartição proporcional dos dez tipos de câncer mais incidentes

Casos	%	Sexo		Localização Primária
		Homens	Mulheres	
14.290	27,1%			Mama Feminina
2.940	5,6%			Colo do Útero
2.690	5,1%			Cólon e Reto
1.940	3,7%			Traqueia, Brônquios e Pulmão
1.880	3,6%			Estômago
1.430	2,7%			Glândula Tireoide
1.340	2,5%			Ovário
1.260	2,4%			Corpo do Útero
1.210	2,3%			Cavidade Oral
1.010	1,9%			Leucemias

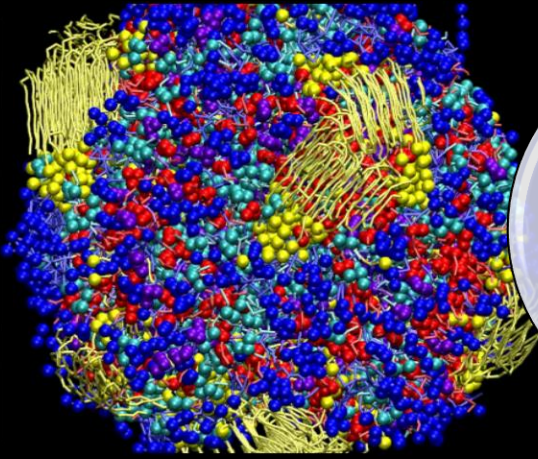
Tratamento & Diagnóstico de Câncer

Tratamento & Diagnóstico de Alzheimer



Tratamento de Diabetes e Leishmaniose por Terapia Fotodinâmica

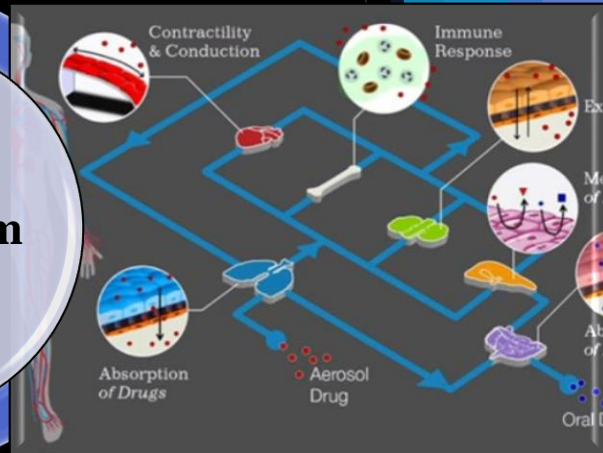
ÁREAS DE ATUAÇÃO



**Modelagem
In Silicon de
Cosméticos
& Drogas**



**Órgãos
humanos em
chips**



**Tratamento de
Hanseníase e
Multilações
por Terapia de
Laser de Baixa
Potência**

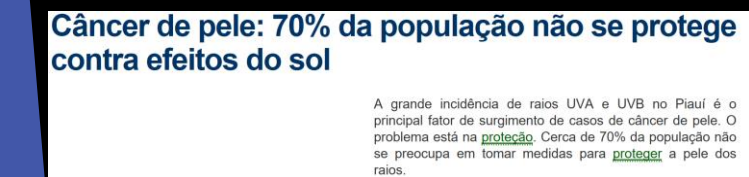


RELEVÂNCIA SOCIAL NO PIAUÍ

Portal **az** INFORMAÇÃO DE VERDADE

Número de casos de Alzheimer no Piauí deve triplicar nos próximos anos

21 de Outubro de 2011, 13:42

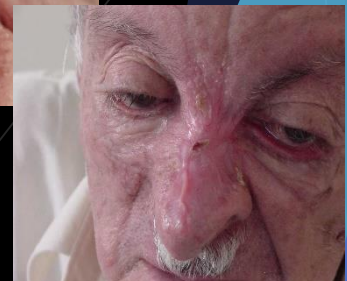


TERESINA-PI, SETEMBRO DE 2011

SAPÉNCIA | 07

Novas concepções terapêuticas para a hanseníase podem tirar Teresina da situação de alta endemicidade

ATENDIMENTOS



Interação com centros de excelência



VANDERBILT
UNIVERSITY



Massachusetts
Institute of
Technology



HAVARD UNIVERSITY

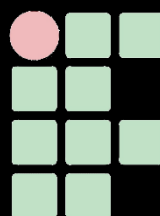


BROWN UNIVERSITY

Lancaster
University



NUS
National University
of Singapore



INSTITUTO
FEDERAL
Piauí



Interação com Setor Produtivo

HORIBA

Johnson & Johnson



PURODIOL



ORÇAMENTO

Infraestrutura

R\$6.000.000,00

Equipamentos

R\$14.000.000,00

Localização: Parque Tecnológico do Piauí

Coordenadores

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