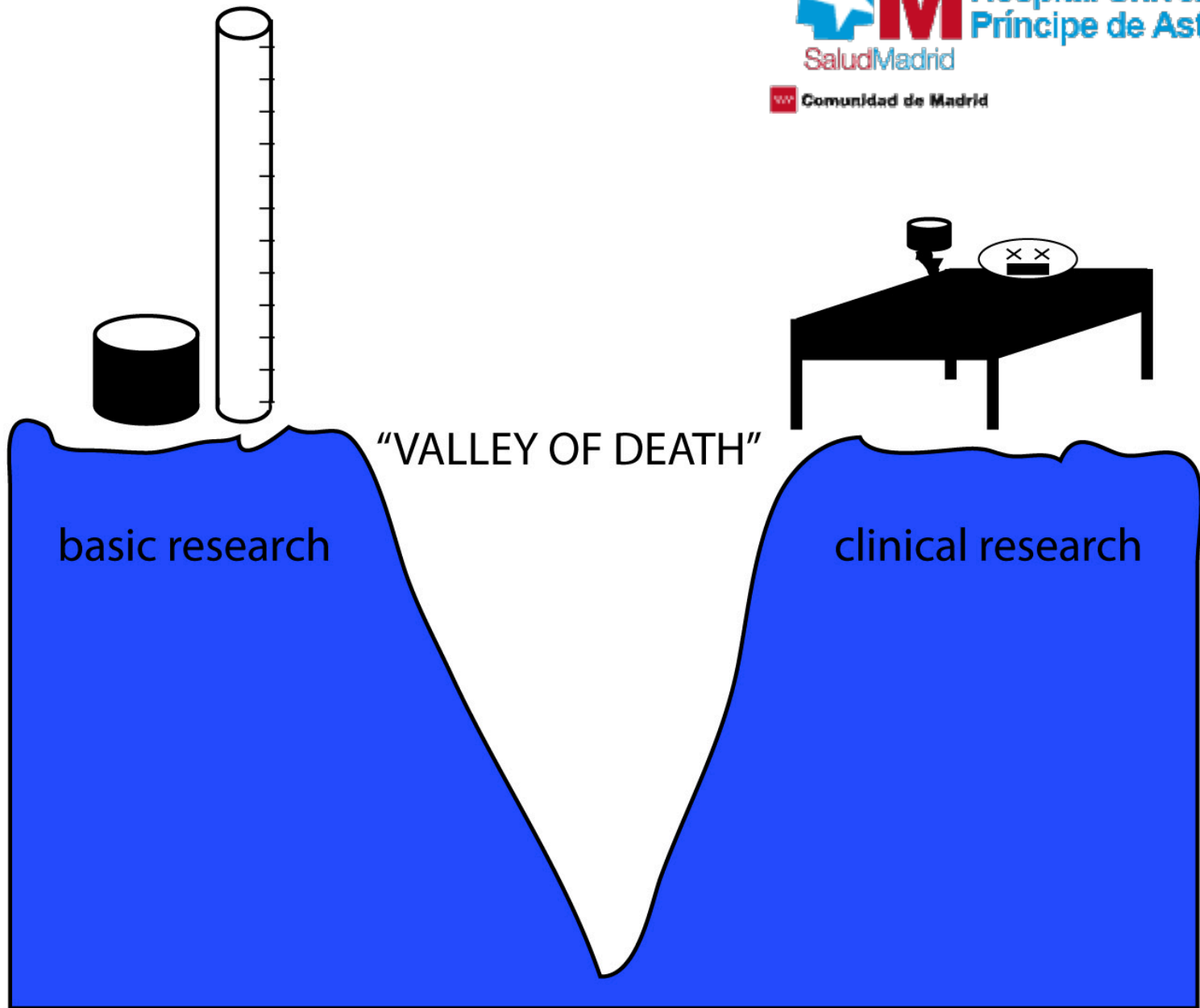


AVANCES Y PERSPECTIVAS FUTURAS EN INVESTIGACIÓN BÁSICA Y TRASLACIONAL

Daniele Ferrari

Residente III año del Hospital Universitario Príncipe de Asturias



CONCEPTOS

Investigación básica:

estudio de principios fundamentales sin aplicación clínica directa

¡PROBLEMA!

El retorno **económico** y **social** de la investigación es un proceso
LENTO y COMPLEJO

→ Necesidad de una reforma del proceso de investigación

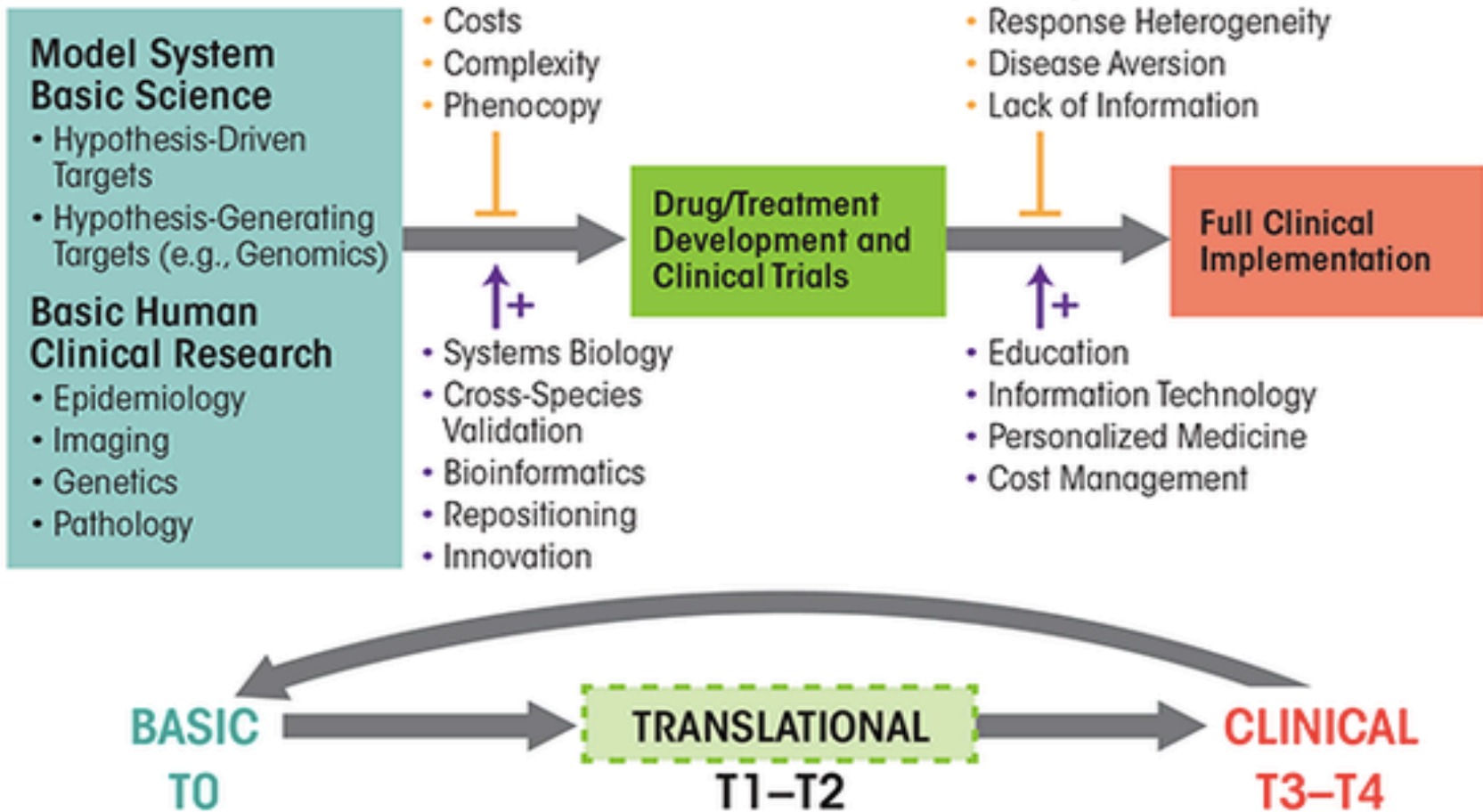
Investigación traslacional (aplicada):

Estudio basado en la ciencia básica para acelerar la aportación de nuevas herramientas diagnósticas y terapéuticas a la clínica

Huecos de traslación



Pero ¡ojo! El modelo lineal es una simplificación



SHARE



0



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RESEARCH ARTICLE | BACTERIAL BIOFILMS

Exopolysaccharide biosynthetic glycoside hydrolases can be utilized to disrupt and prevent *Pseudomonas aeruginosa* biofilms

Perrin Baker¹, Preston J. Hill², Brendan D. Snarr^{3,4}, Noor Alnabelseya^{1,5}, Matthew J. Pestrak², Mark J. Lee^{3,4,*}, Laura K. Jennings⁶, John Tam¹, Roman A. Melnyk^{1,5}, Matthew R. Parsek⁶, Donald C. Sheppard^{3,4}, Daniel J. Wozniak² and P. Lynne Howell^{1,5,†}

+ Author Affiliations

† Corresponding author. Email: howell@sickkids.ca

* Present address: Department of Pathology and Laboratory Medicine, David Geffen School of Medicine at University of California Los Angeles, Los Angeles, CA 90049, USA.

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Peer Reviewed
← see details

Ejemplo de nuestro hospital:

Hipótesis:


Hay cambios en las propiedades visco-elásticas de la cornea en ojos tratados con analogos de PG

Estudio pre-clínico (en animales):
intervencional, prospectivo, controlado, enmascarado

Medir los cambios en ECC en ojos de conejo tratados con
análogos de PG a los cambios de la PIO (ojo adelfo control)

Original Article

Effect of Acute Increases of Intraocular Pressure on Corneal Pachymetry in Eyes Treated with Travoprost: An Animal Study

Gema Bolívar , Miguel Teus & Esther Arranz-Marquez

Pages 1014-1019 | Received 21 Jan 2011, Accepted 21 Jul 2011, Published online: 23 Sep 2011

Estudio clínico:
prospectivo, observacional, de cohortes

Medir los cambios de la HC en pc naïve tratados con
analogos de PG

Effect of topical prostaglandin analogues on corneal hysteresis

Gema Bolívar,¹ Cristina Sánchez-Barahona,¹ Miguel Teus,^{1,2} Miguel A. Castejón,¹
Javier Paz-Moreno-Arrones,¹ Consuelo Gutiérrez-Ortiz¹ and Dimitrios G. Mikropoulos³

¹University Hospital “Príncipe de Asturias”, Alcalá de Henares, Madrid, Spain

²University of Alcalá, Alcalá de Henares, Madrid, Spain

³3rd University Department of Ophthalmology, Aristotle University, Thessaloniki, Greece

Objetivo de la investigación traslacional:

procurar un beneficio significativo al paciente
en el menor lapso de tiempo posible

Everyone wants to be found.

BILL MURRAY SCARLETT JOHANSSON

Lost In Translation

FOCUS FEATURES PRESENTS A MURRAY CLOSE FILM "LOST IN TRANSLATION" IN WHICH SCARLETT JOHANSSON SHARES HER OWN PAST EXPERIENCES OF BEING LOST IN A FOREIGN COUNTRY. "LOST IN TRANSLATION" IS A FILM ABOUT A MAN AND A WOMAN WHO MEET IN A HOTEL IN TOKYO AND FIND EACH OTHER IN THE MOST UNEXPECTED OF PLACES. "LOST IN TRANSLATION" IS A FILM ABOUT A MAN AND A WOMAN WHO MEET IN A HOTEL IN TOKYO AND FIND EACH OTHER IN THE MOST UNEXPECTED OF PLACES. "LOST IN TRANSLATION" IS A FILM ABOUT A MAN AND A WOMAN WHO MEET IN A HOTEL IN TOKYO AND FIND EACH OTHER IN THE MOST UNEXPECTED OF PLACES.

The new film written and directed by Sofia Coppola

Everyone wants to be found.

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The new film written and directed by Sofia Coppola

Para impulsar la investigación traslacional
(“*Found in traslation*”):

- Facilitación de la comunicación entre centros investigativos (***open innovation***)
- Formación de investigadores especializados (Master etc)
- Organización de meeting internacionales

FUTURO

- Cambios de estudios *in vivo* a *in silico*
- Técnicas **genómicas y proteómicas**
- **Nanotecnología y inmunoterapia**

GRACIAS POR LA ATENCIÓN