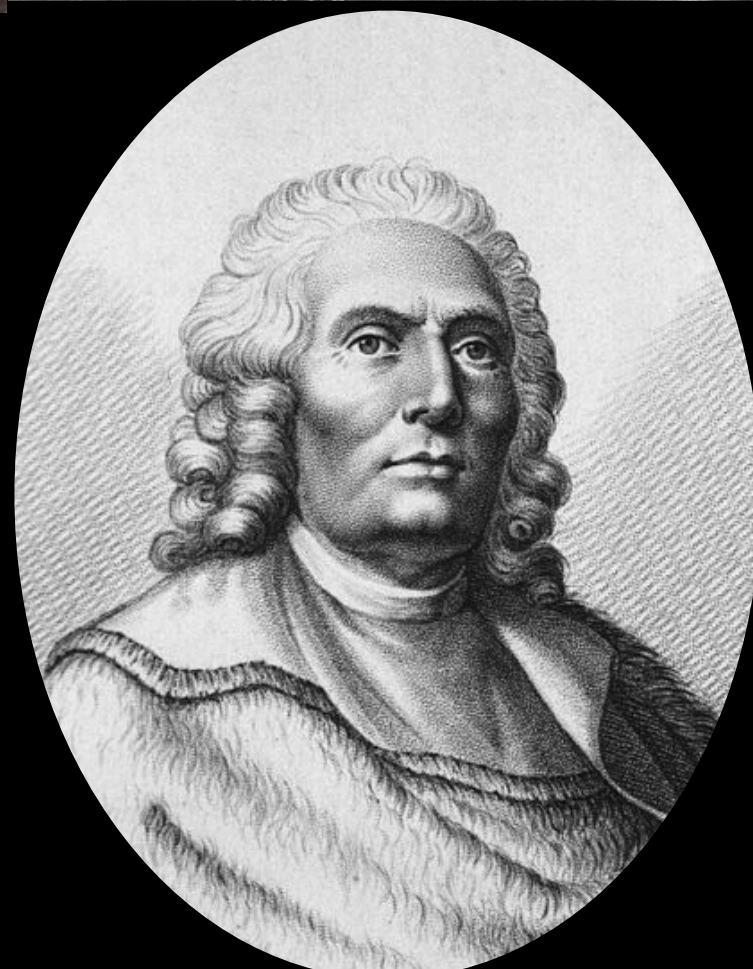
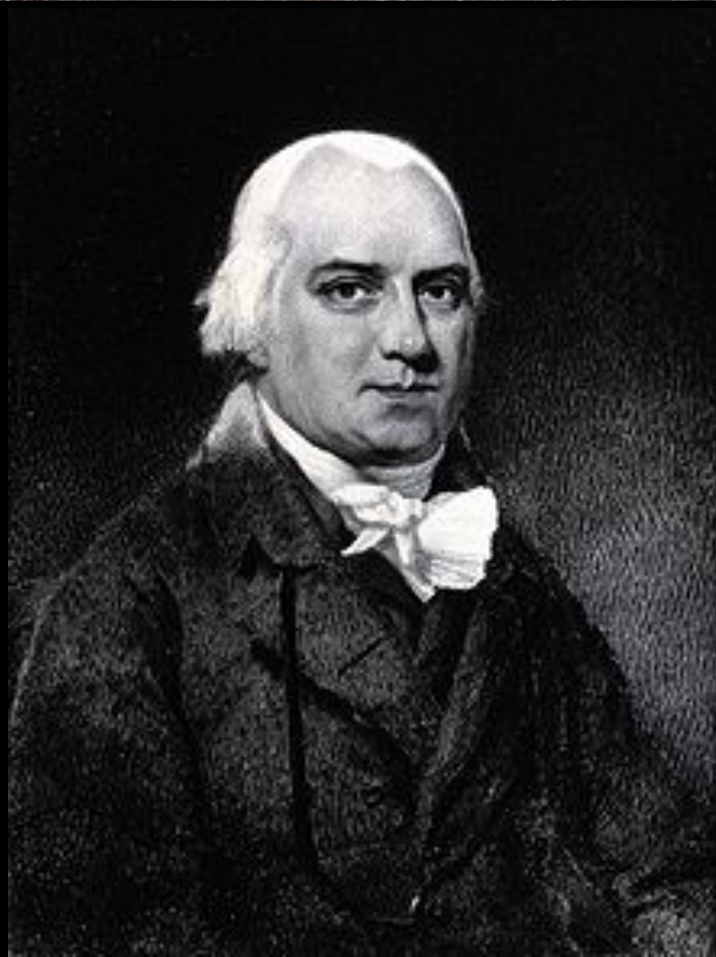


Dermatología en el siglo XXI

De la epigenética a la inteligencia colectiva.

Dr. José María Ortiz



FORMACIÓN SANITARIA / MIR

Dermatología y Plástica agotan todas sus plazas del MIR 2019

Derma cubre todas sus plazas en el cupo 763, 38 puestos antes que en 2018, mientras que Plástica se retrasa 169 puestos

Acto de asignación de plazas MIR en el Ministerio de Sanidad.

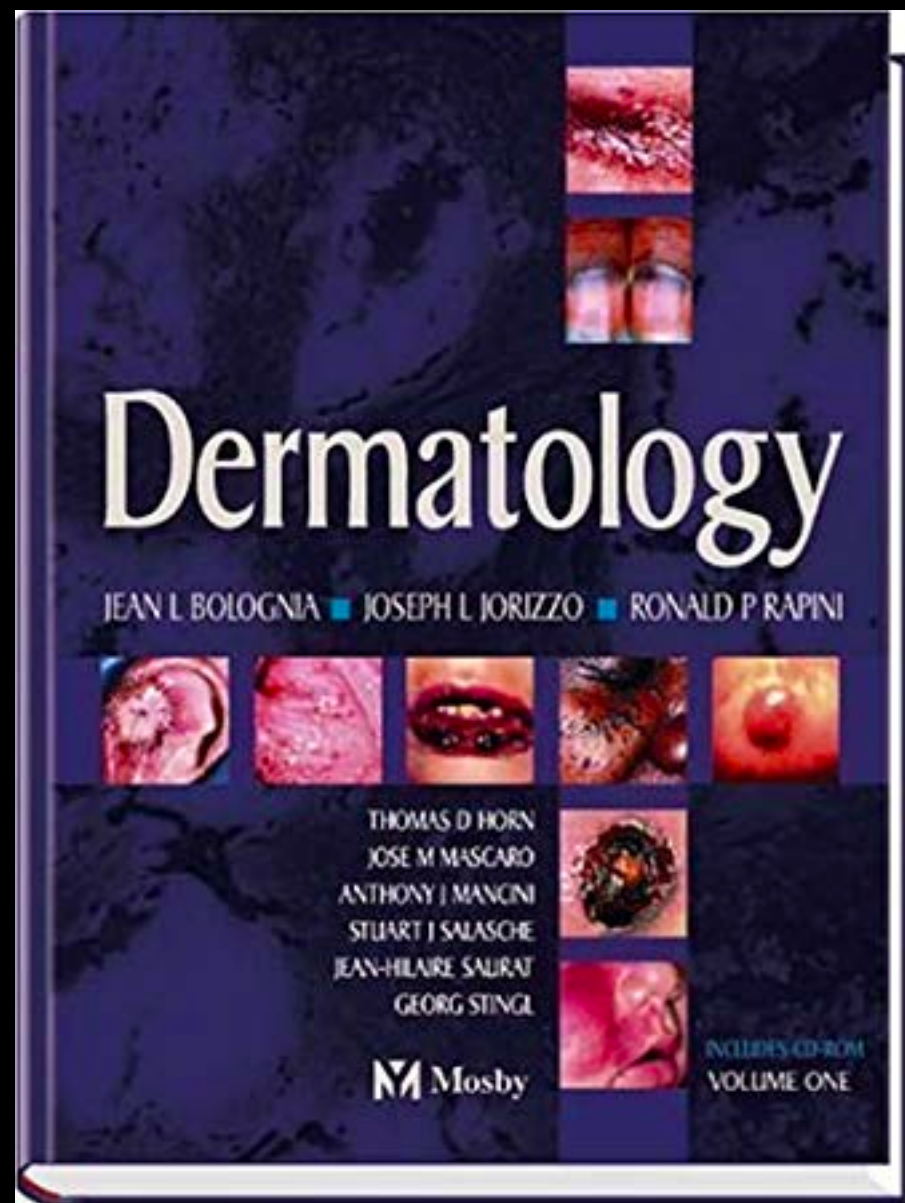


**¿En qué ha cambiado nuestro
conocimiento de la dermatología?**

**¿En qué ha cambiado el abordaje de las
enfermedades de la piel?**

**¿Hacia dónde se dirige la dermatología
del siglo XXI?**

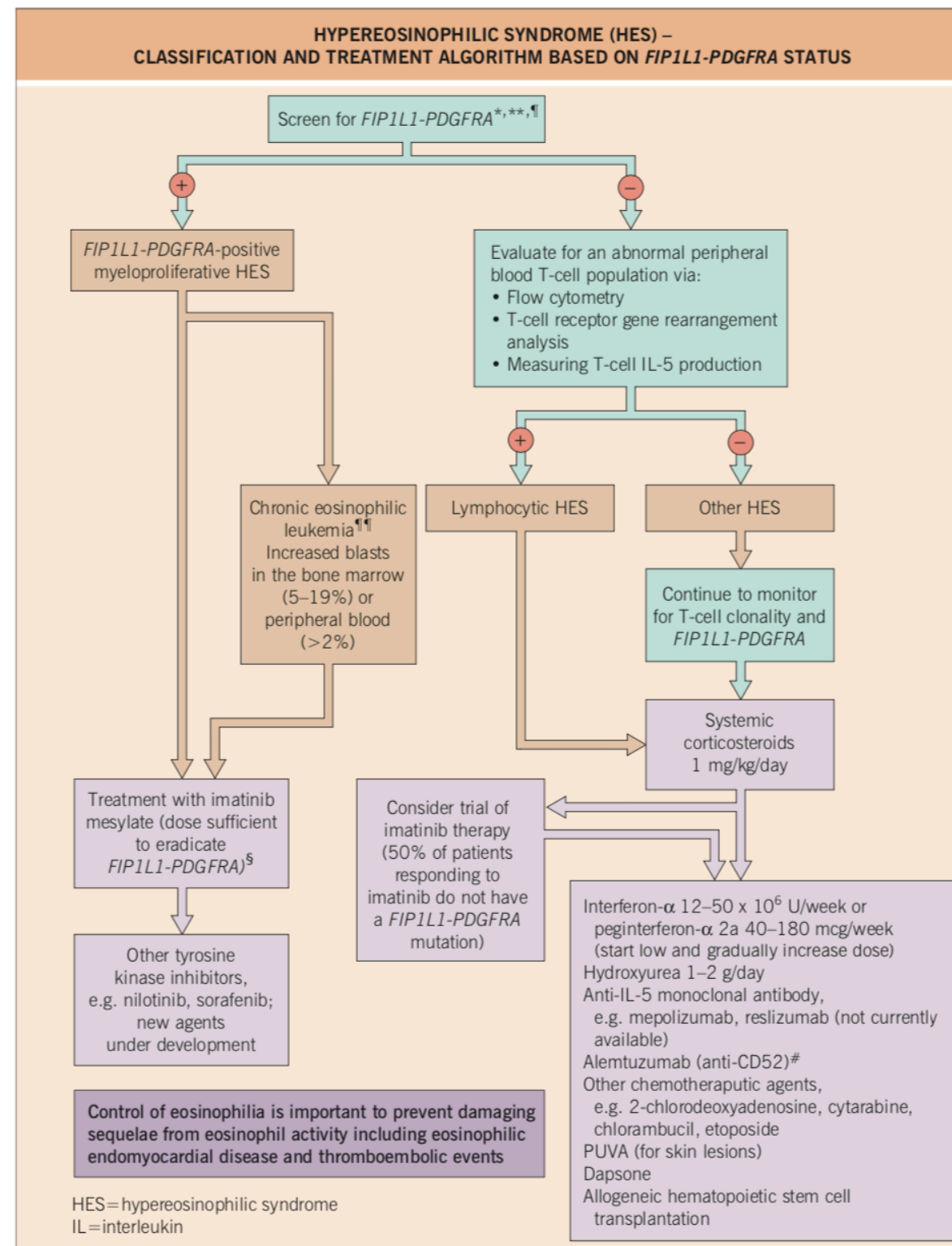
¿En qué ha cambiado nuestro conocimiento de la dermatología?



Eosinophilic Dermatoses

25

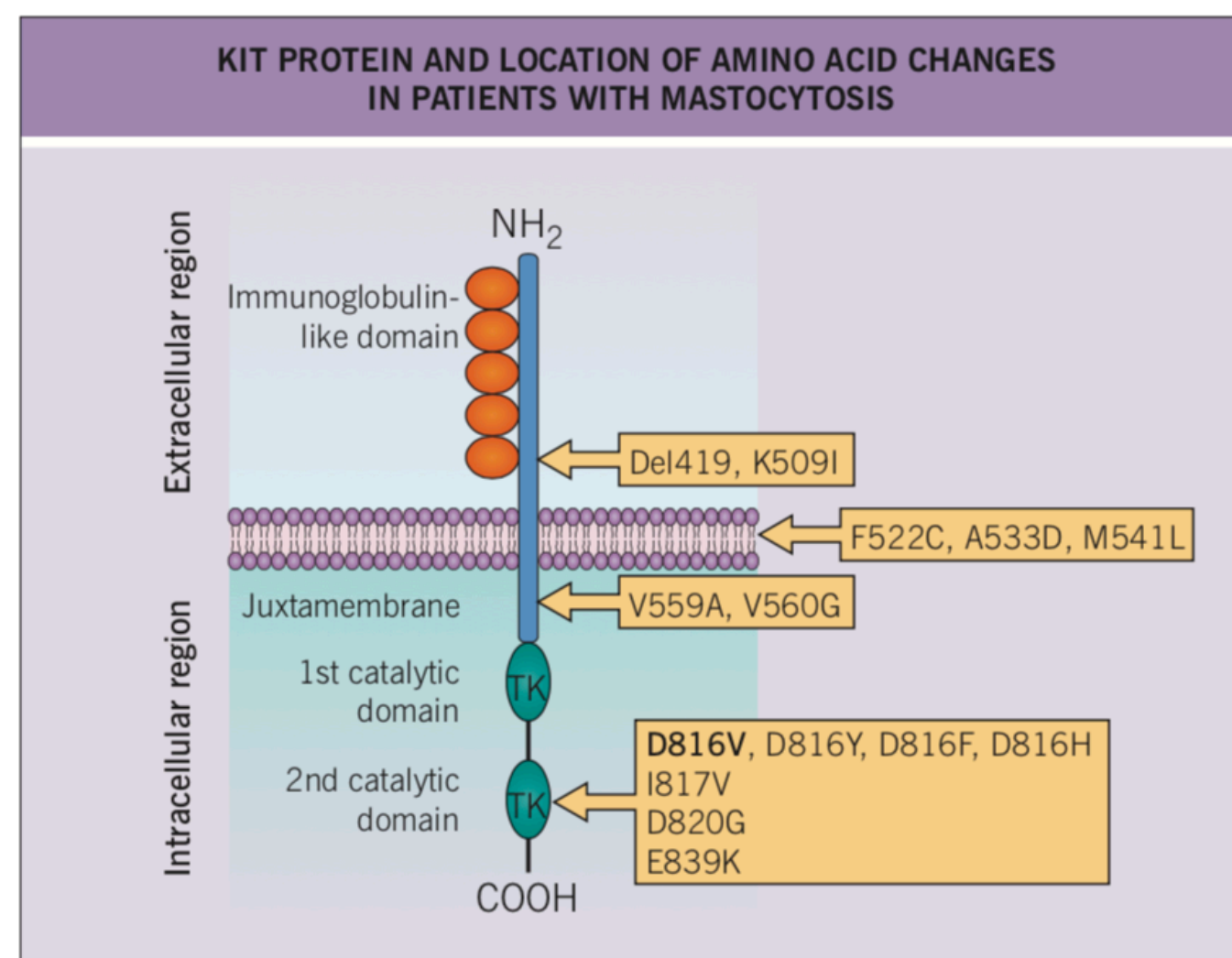
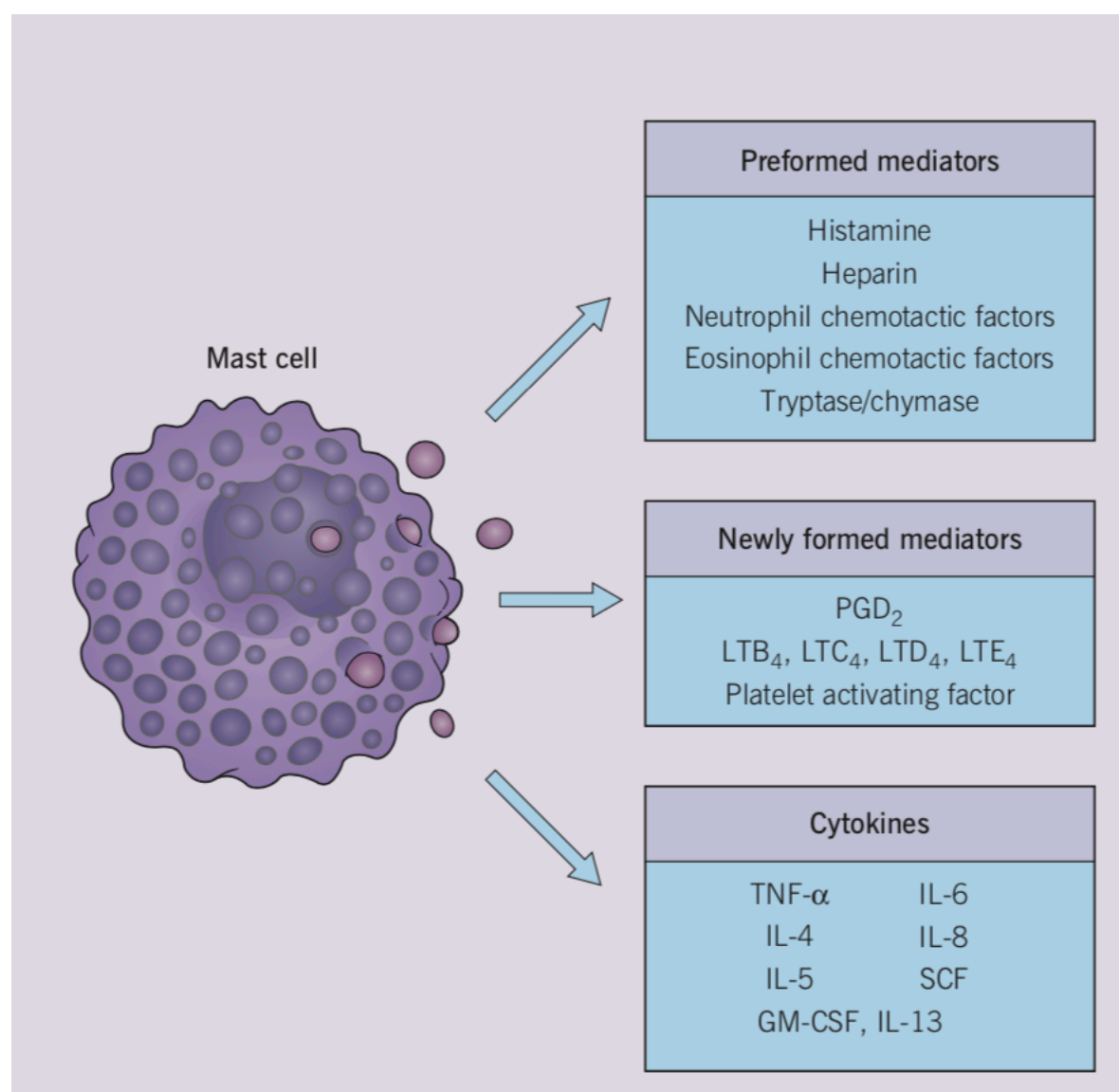
Cloyce L Stetson and Kristin M Leiferman



Mastocytosis

118

Michael D Tharp



Sexually Transmitted Infections

82

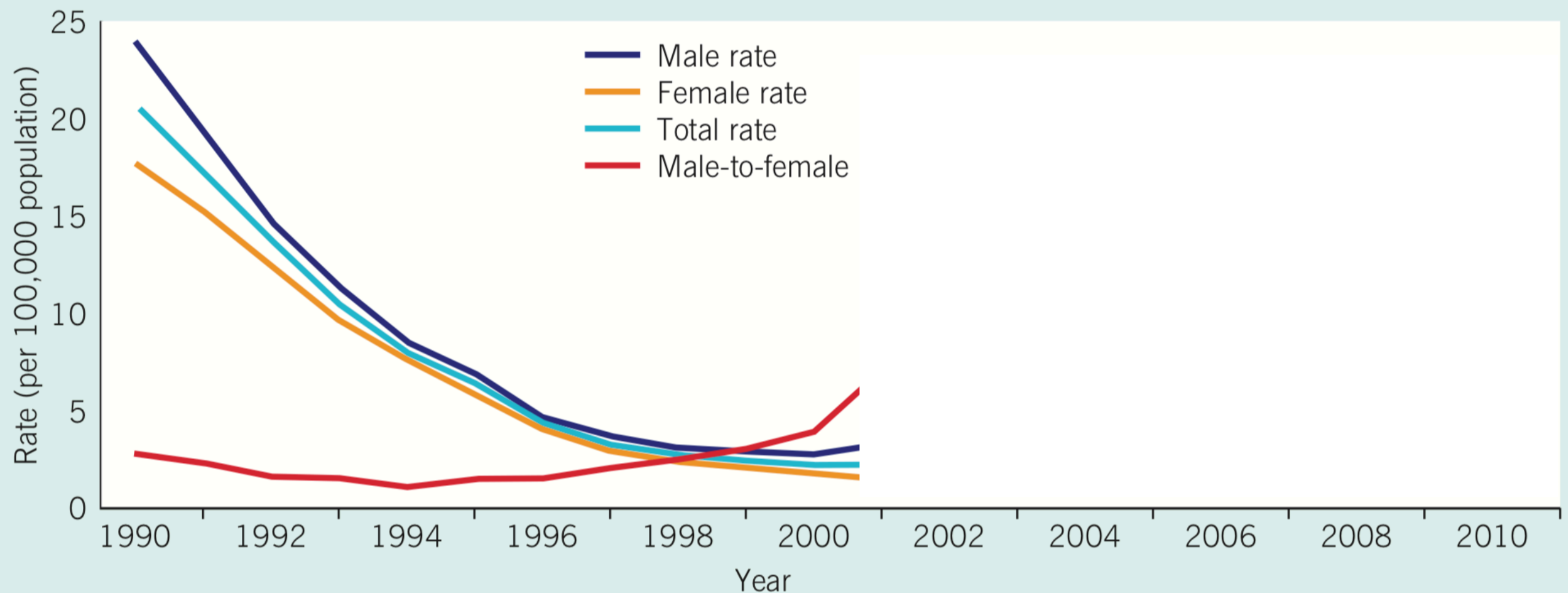
Angelika Stary and Georg Stary

Sexually Transmitted Infections

82

Angelika Stary and Georg Stary

REPORTED RATES OF PRIMARY AND SECONDARY SYPHILIS IN THE US (BY SEX, 1990–2010)

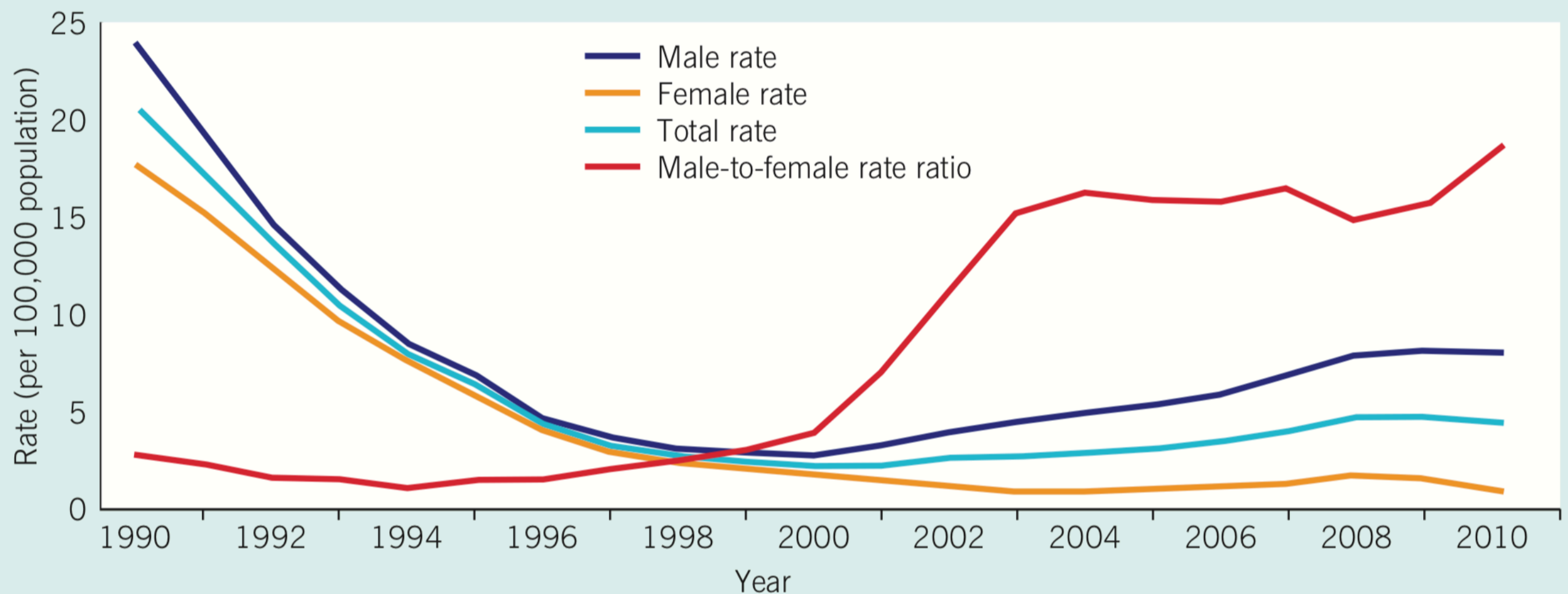


Sexually Transmitted Infections

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REPORTED RATES OF PRIMARY AND SECONDARY SYPHILIS IN THE US (BY SEX, 1990–2010)



Sexually Transmitted Infections

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20
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Los dermatólogos alertan de un "vertiginoso" aumento de las infecciones de transmisión sexual

EFE 06.06.2019 - 16:05H



- Enfermedades como la sífilis, la gonorrea y la clamidia se han incrementado en un 76 %, 67 % y 22 %, respectivamente, en Europa.
- Dos de cada tres clamidias no manifiestan síntomas.



BLOGS DE 20MINUTOS



YA ESTÁ EL LISTO QUE TODO LO SABE
¿De dónde surge el refrán 'Hasta el cuarenta de mayo no te quites el sayo'?



¿QUÉ FUE DE?
Qué fue de... Nicolas Anelka: uno de los grandes fiascos del Real Madrid



VEINTE SEGUNDOS
¿Qué le tiene que ofrecer Sánchez a Rivera?

Sexually Transmitted Infections

82

Angelika Stary and Georg Stary[Suscríbete](#)**redacción médica**[Portada](#) > [Secciones](#) > [Especialidades](#) > [Dermatología](#)

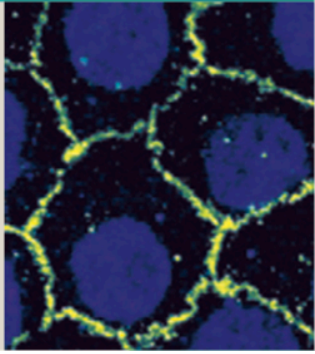
Los dermatólogos alertan del vertiginoso aumento de las ITS en España

La sífilis, la gonorrea y la clamidia se han incrementado en un 76%, 67% y 22% en Europa desde 2013

Molecular Biology

Jonathan Vogel, Carole Yee and Thomas N Darling

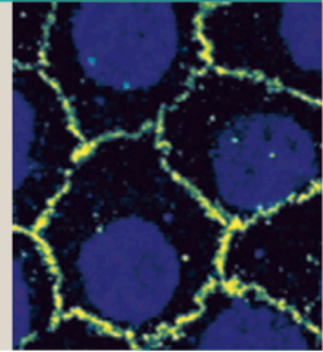
3



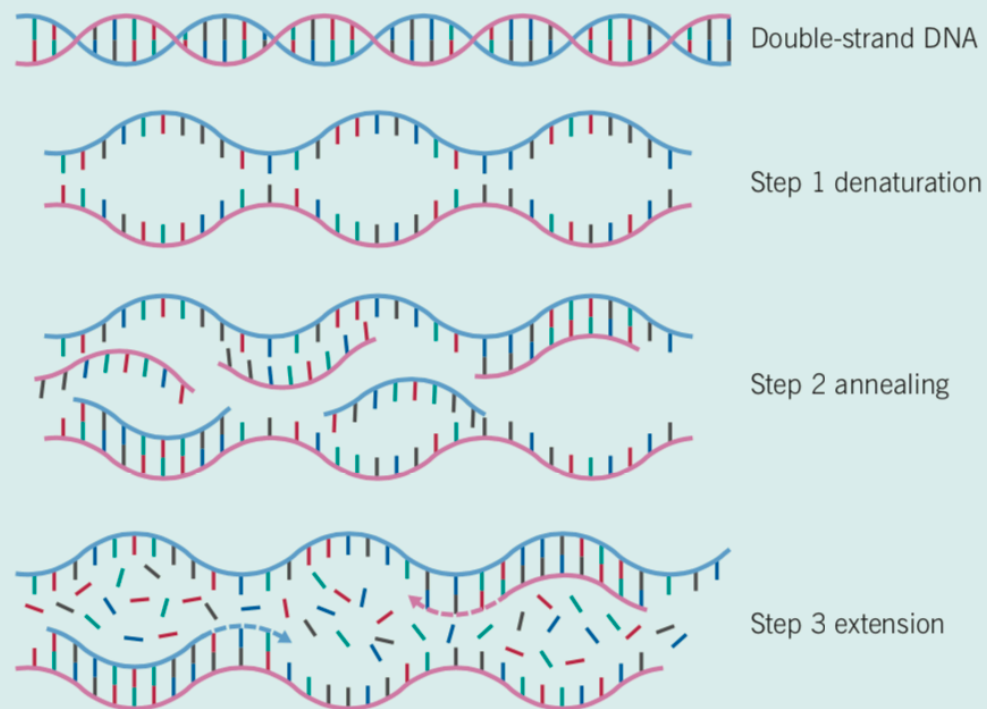
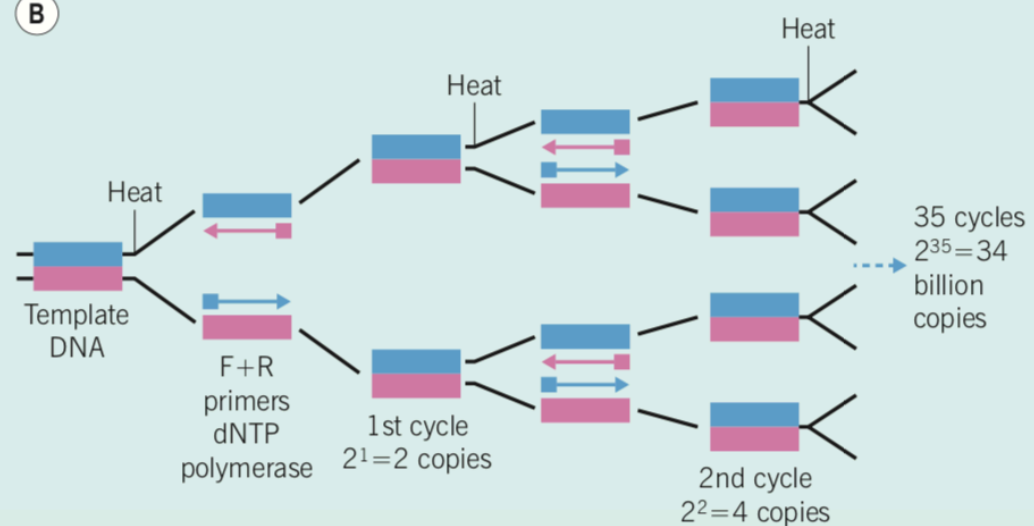
Molecular Biology

3

Jonathan Vogel, Carole Yee and Thomas N Darling



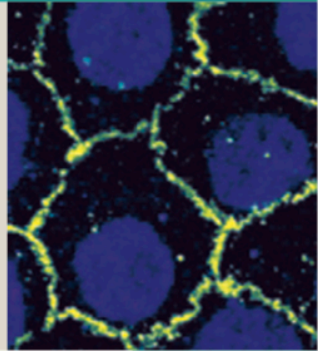
POLYMERASE CHAIN REACTION

A**B**

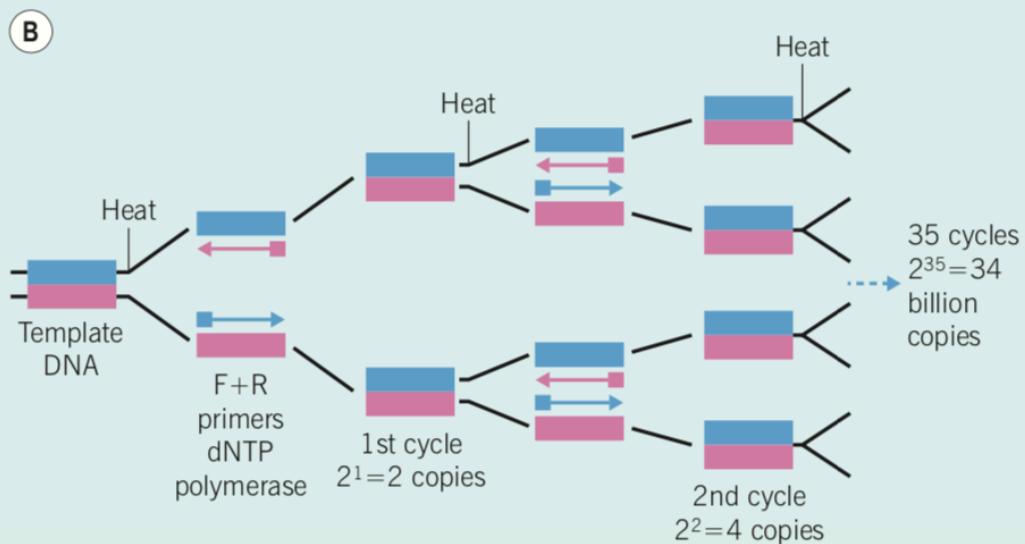
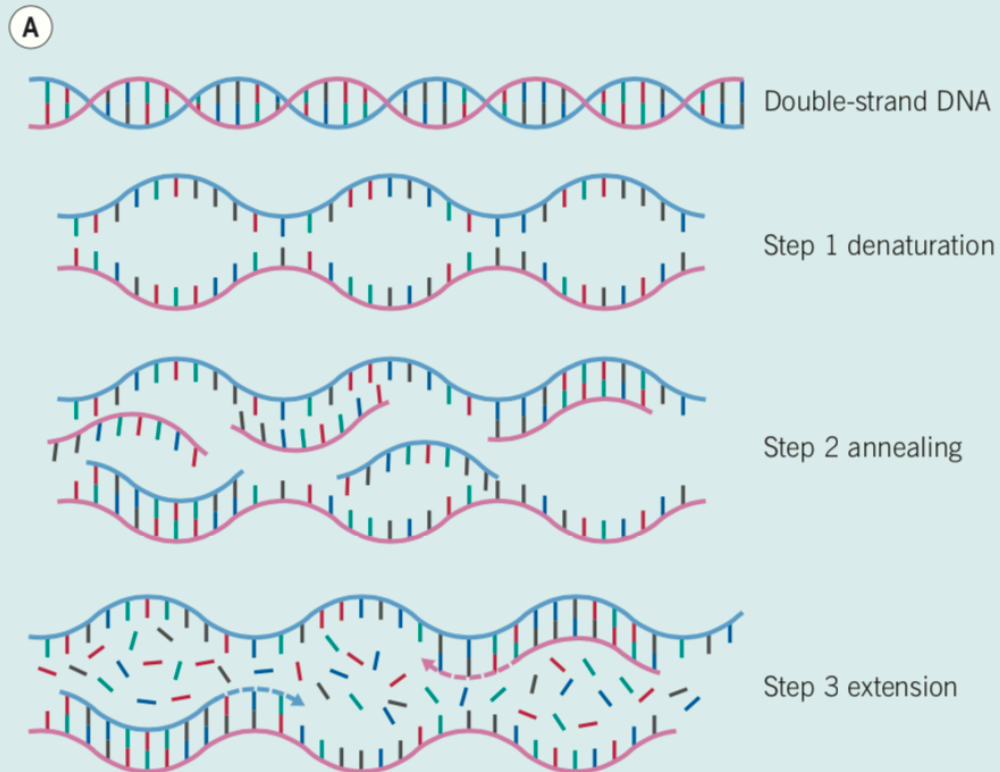
Molecular Biology

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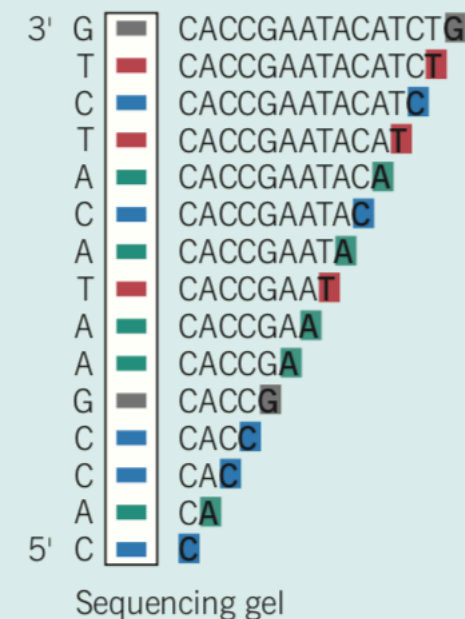
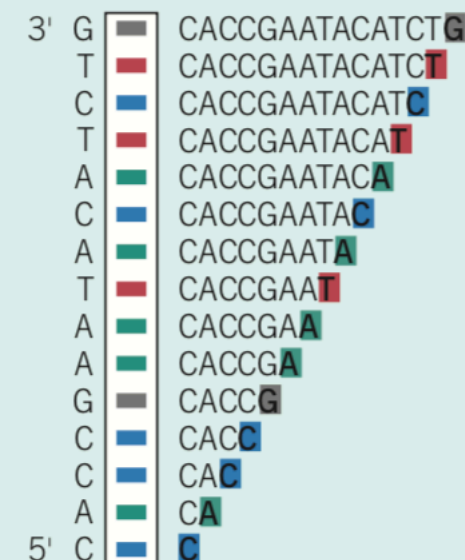
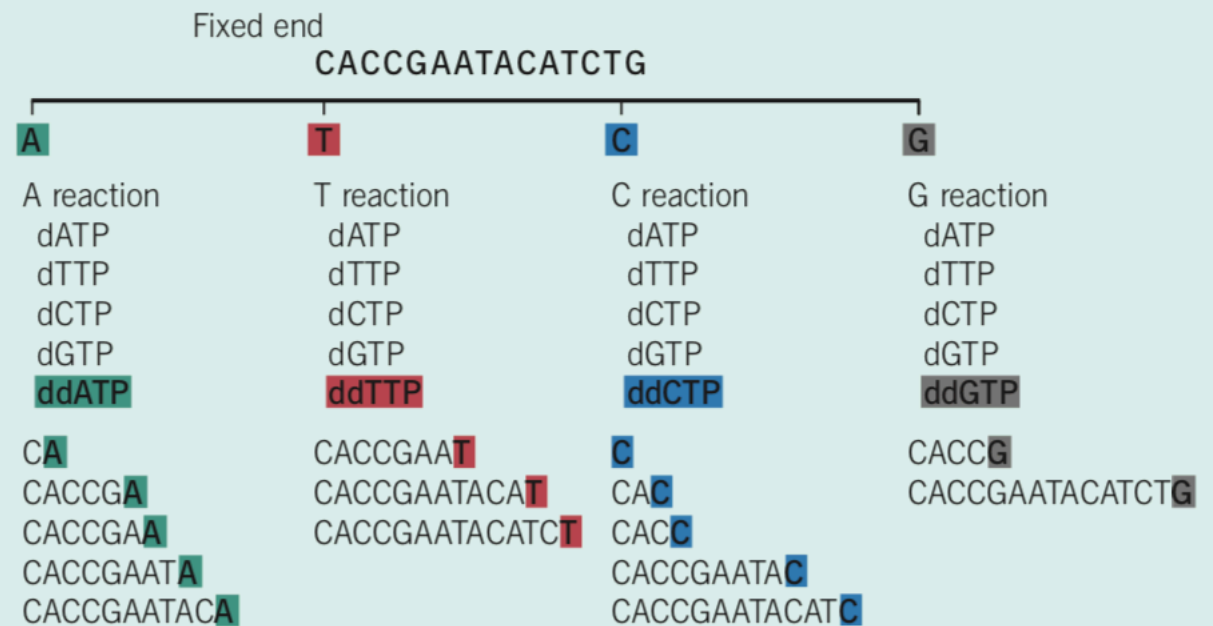
Jonathan Vogel, Carole Yee and Thomas N Darling



POLYMERASE CHAIN REACTION



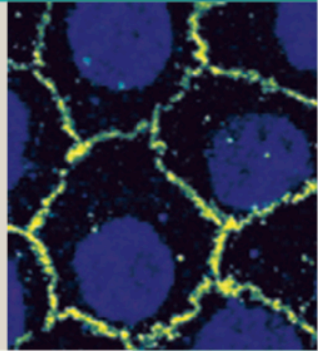
DNA SEQUENCING



Molecular Biology

3

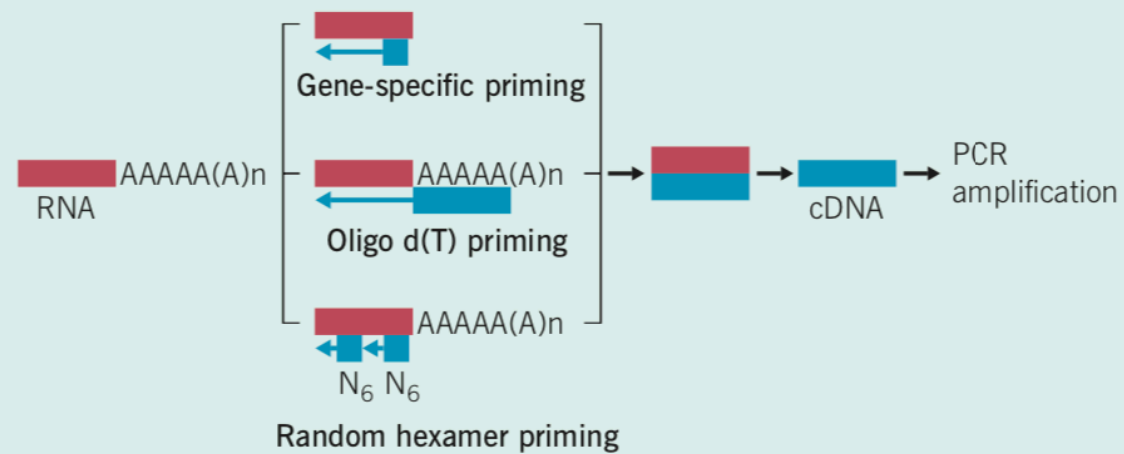
Jonathan Vogel, Carole Yee and Thomas N Darling



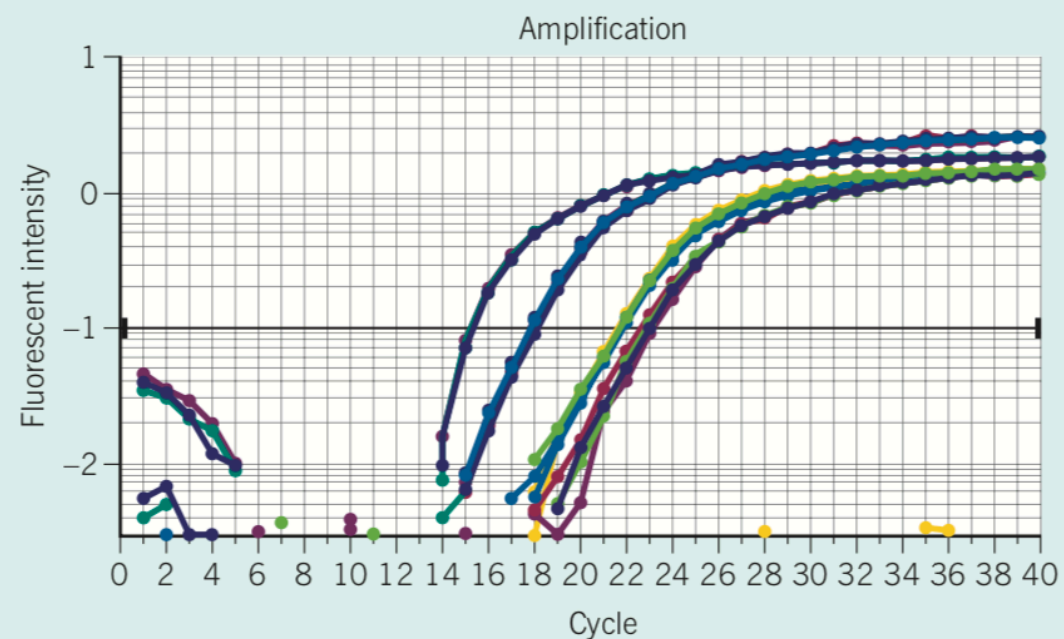
REVERSE TRANSCRIPTION PCR

A

Reverse transcription

**B**

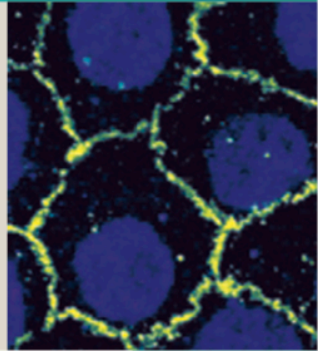
Quantitative real-time PCR



Molecular Biology

3

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NUCLEIC ACID ARRAYS

A Expression bead array

B Gene chip microarray

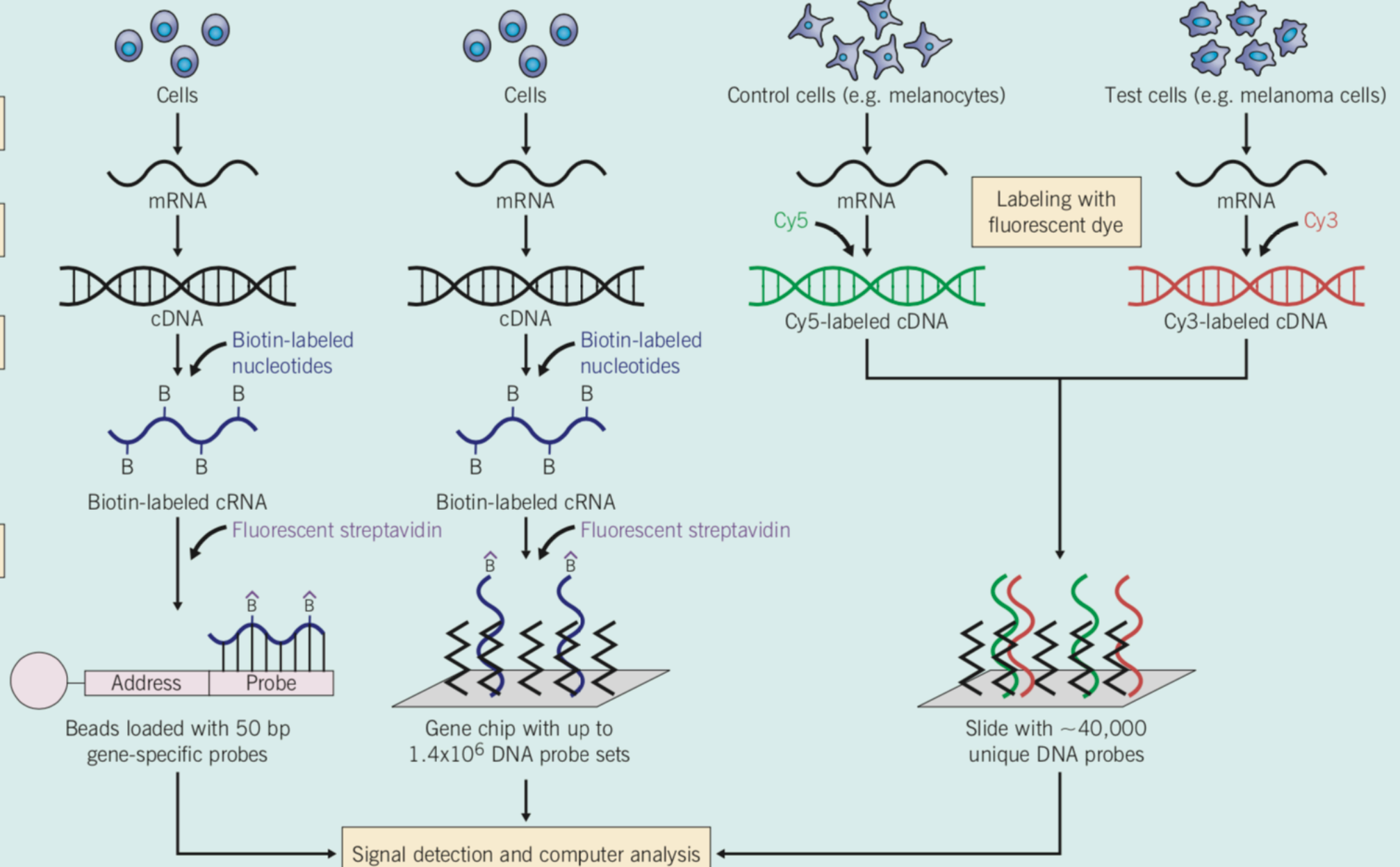
C Glass slide microarray: comparative hybridization

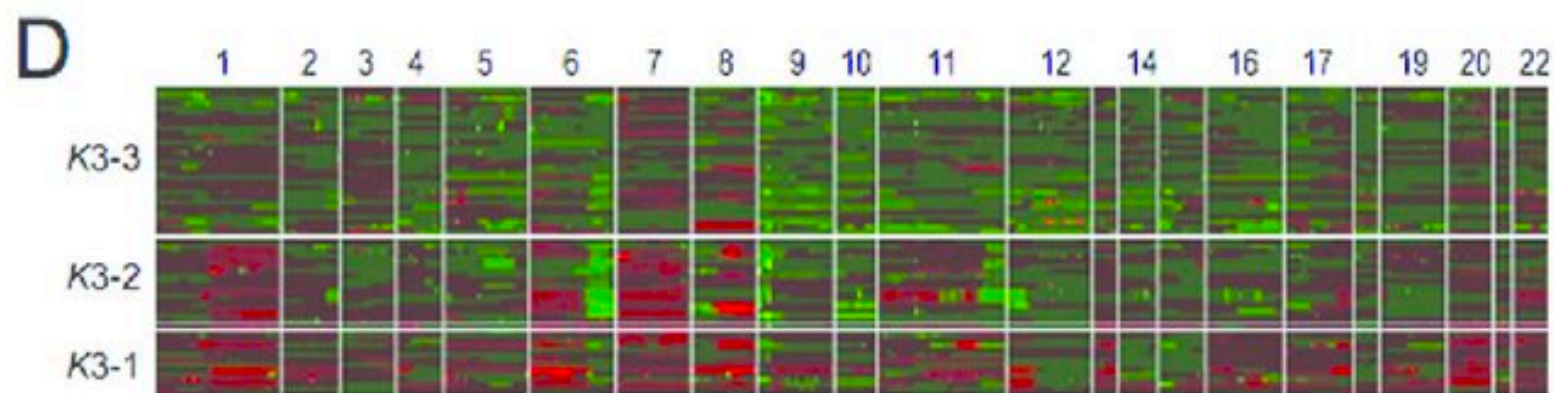
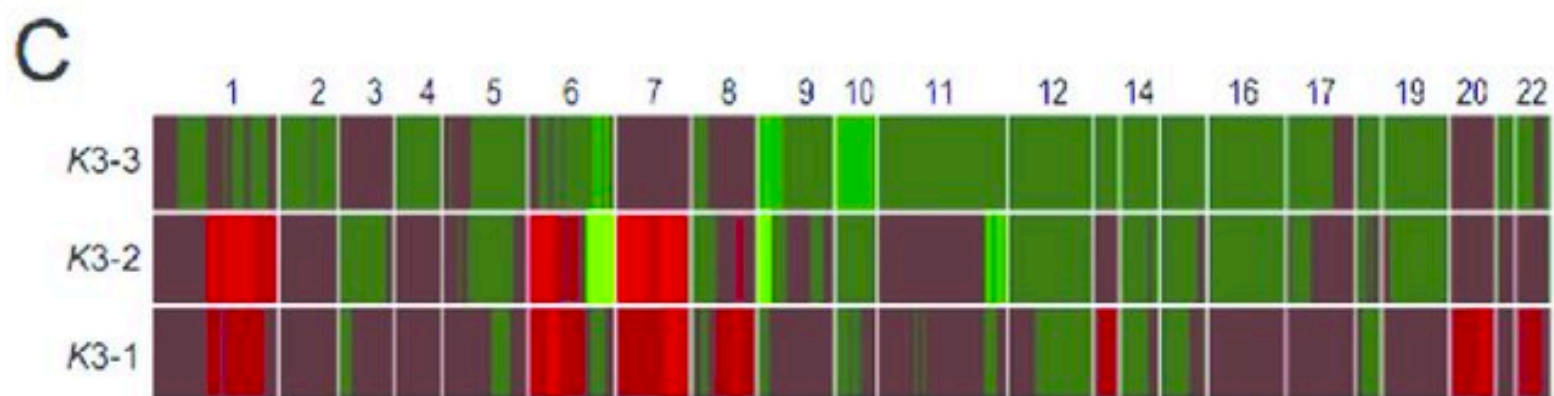
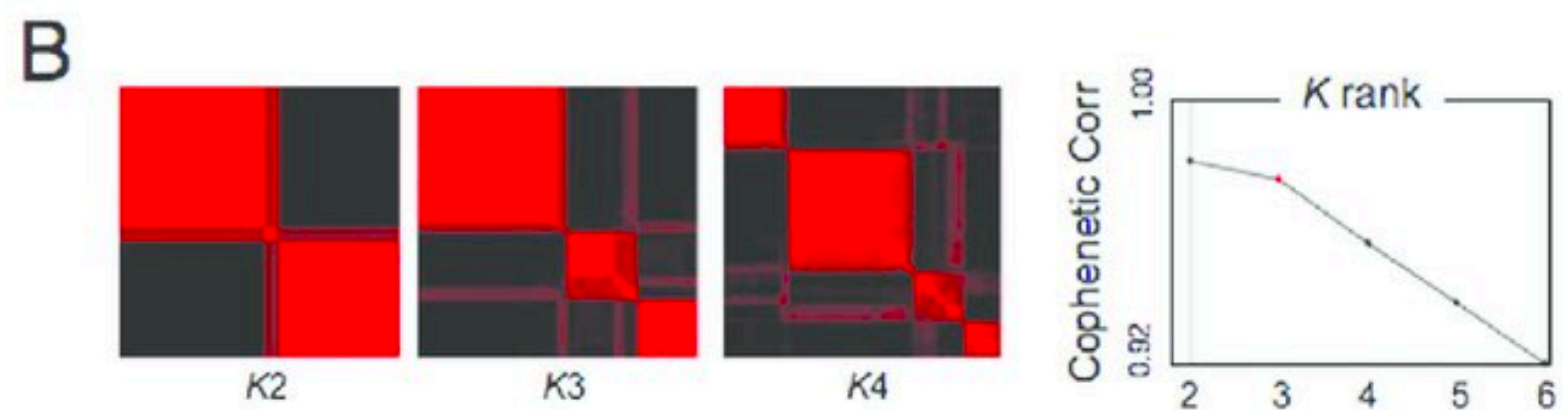
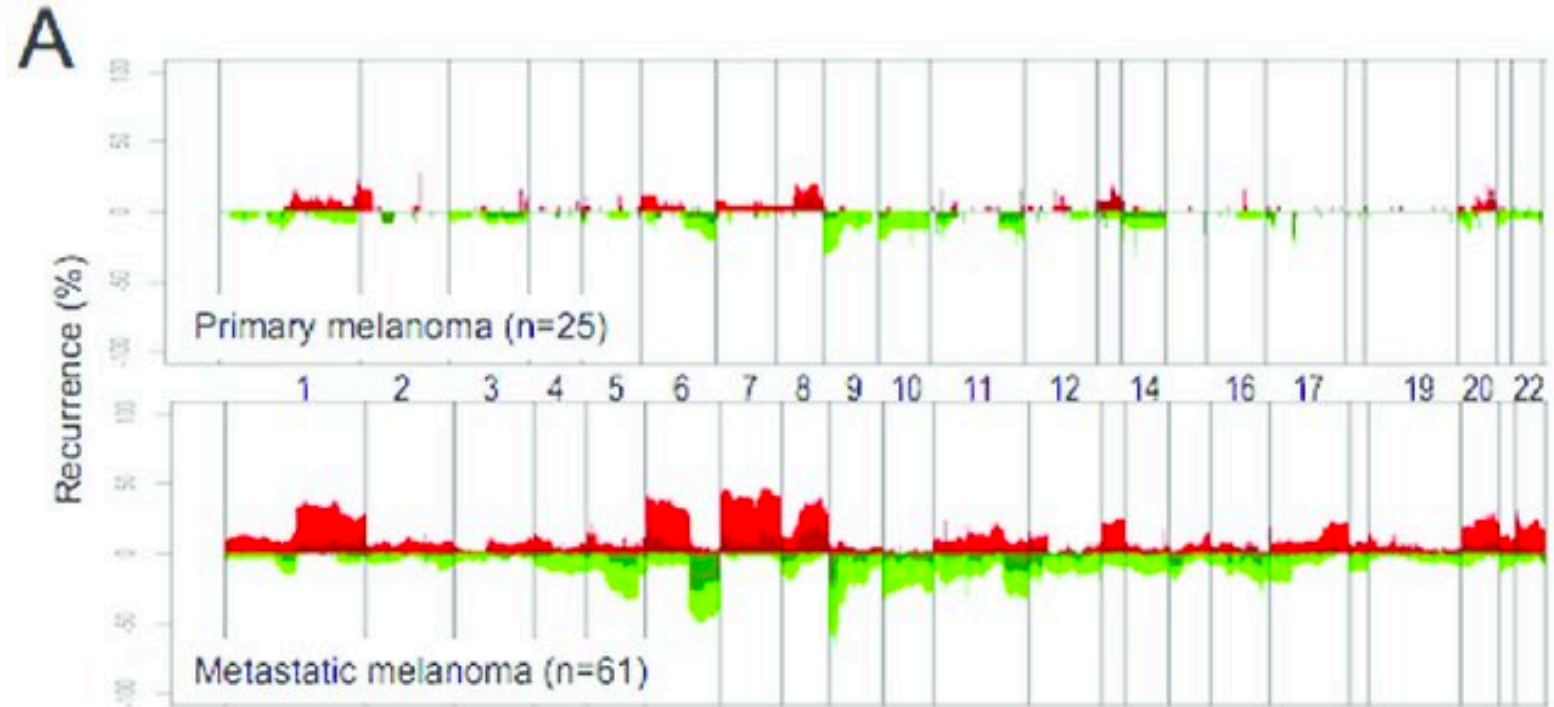
mRNA extraction

Reverse transcription

In vitro transcription

Hybridization





X-LINKED DOMINANT ICHTHYOSIFORM DISORDERS

CHILD SYNDROME

Synonyms: ■ Congenital hemidysplasia with ichthyosiform erythroderma (or nevus) and limb defects ■ CHILD nevus



X-LINKED DOMINANT ICHTHYOSIFORM DISORDERS

CHILD SYNDROME

Synonyms: ■ Congenital hemidysplasia with ichthyosiform erythroderma (or nevus) and limb defects ■ CHILD nevus

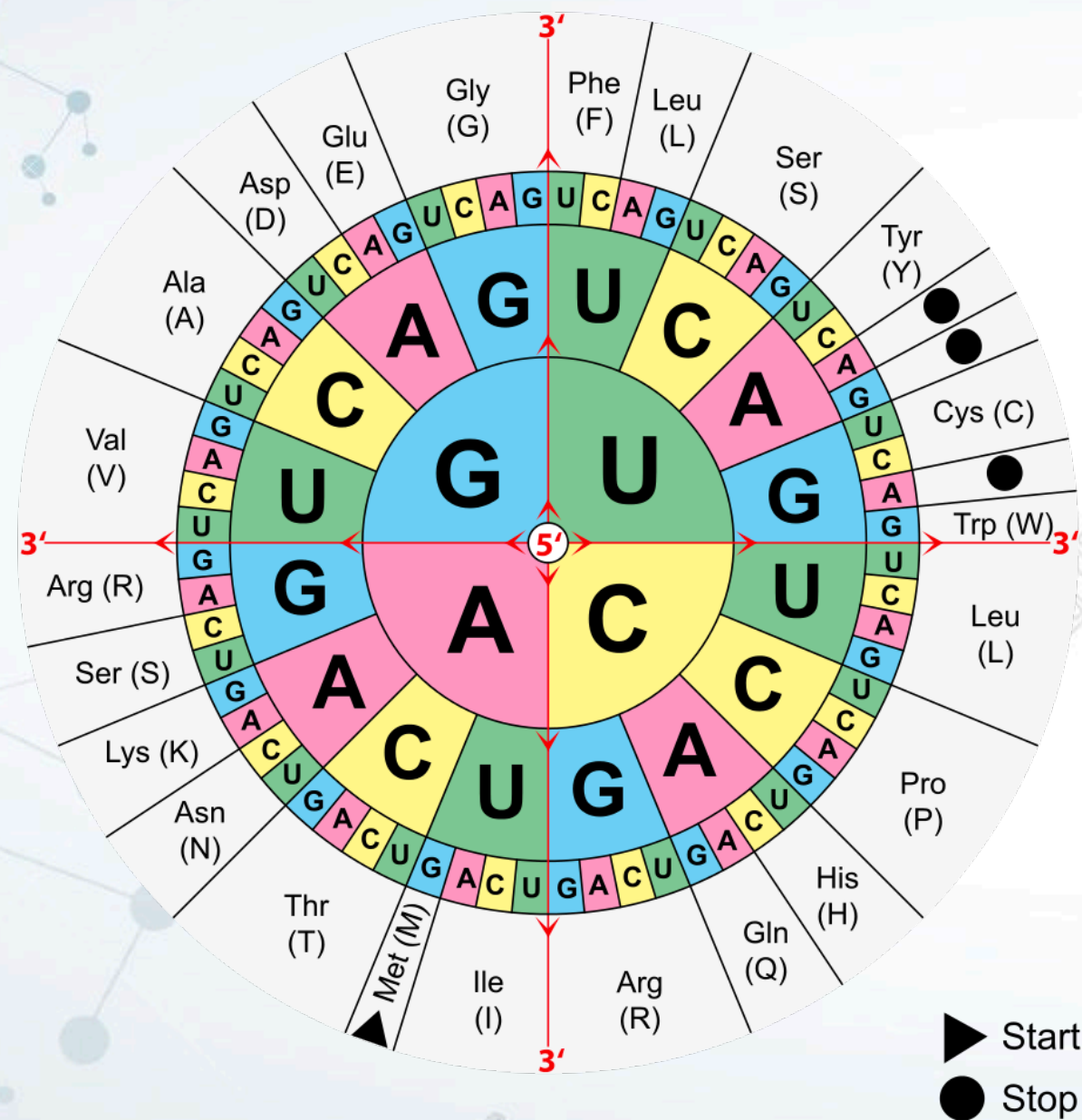
Brief Report

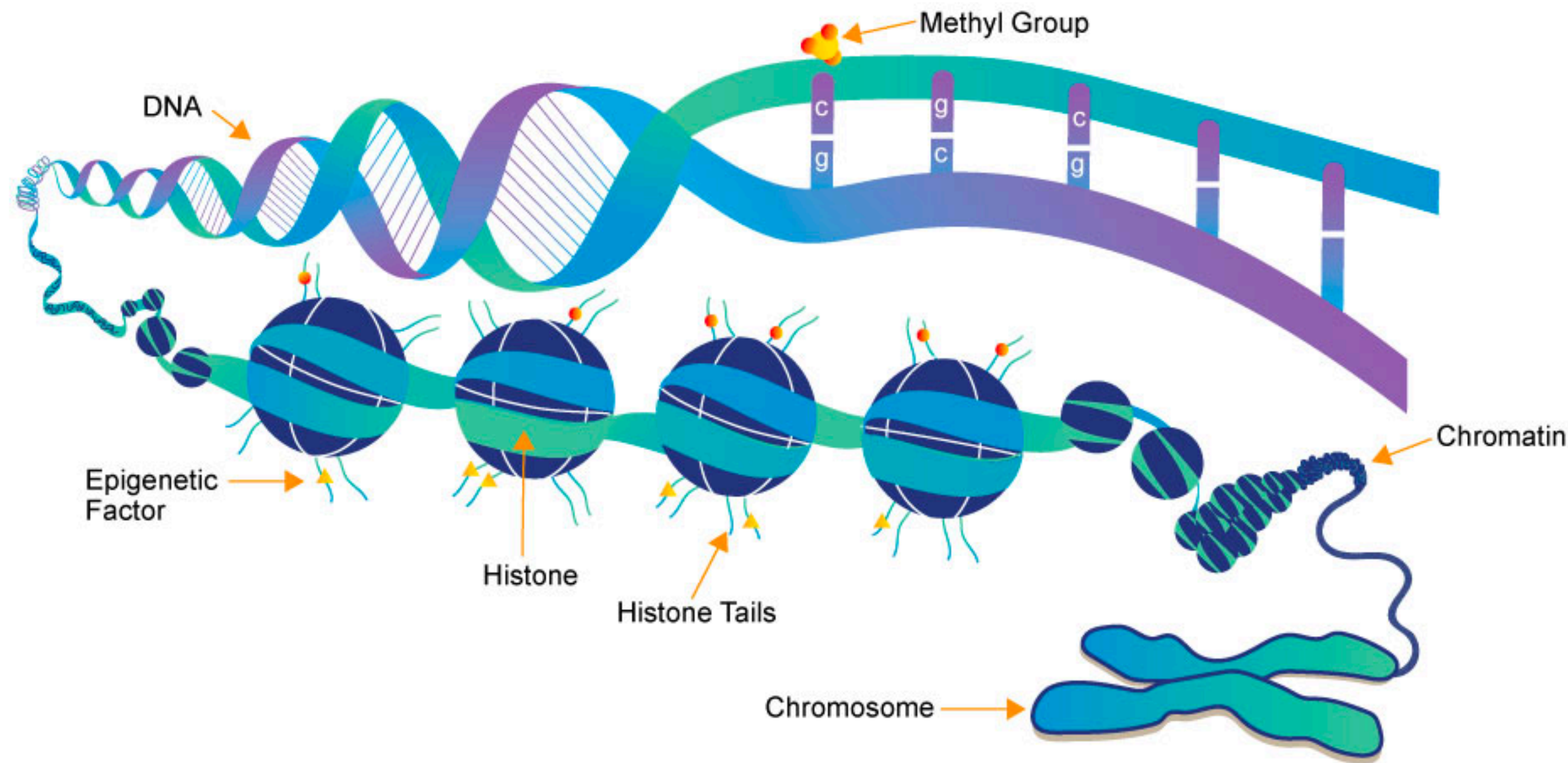
November 2018

Use of Topical Glycolic Acid Plus a Lovastatin-Cholesterol Combination Cream for the Treatment of Autosomal Recessive Congenital Ichthyoses

Samar Khalil, MD¹; Tara Bardawil, MD¹; Serena Saade, BA²; et al







Cancer Lett. 2014 Jan 28;342(2):170-7. doi: 10.1016/j.canlet.2012.01.020. Epub 2012 Jan 27.

Epigenetic biomarkers in skin cancer.

Greenberg ES¹, Chong KK, Huynh KT, Tanaka R, Hoon DS.

Mol Immunol. 2015 Apr;64(2):313-23. doi: 10.1016/j.molimm.2014.12.014. Epub 2015 Jan 13.

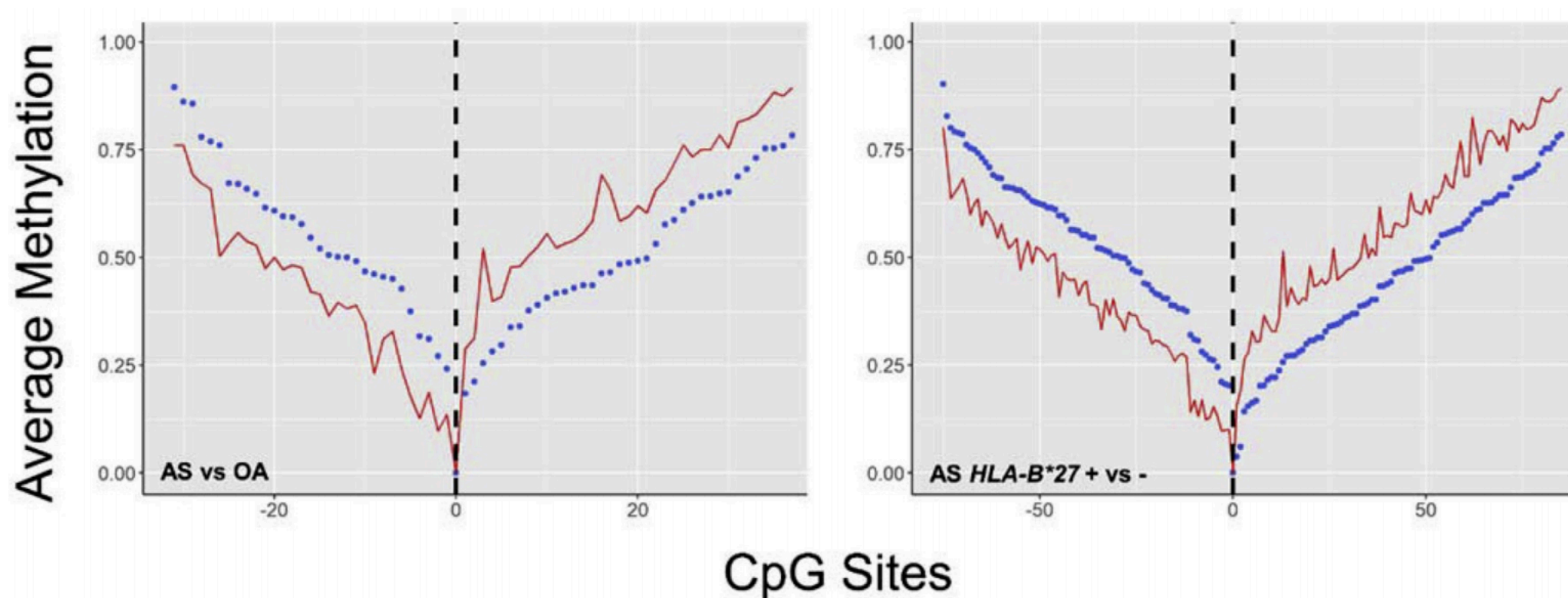
Genetic and epigenetic basis of psoriasis pathogenesis.

Chandra A¹, Ray A¹, Senapati S², Chatterjee R³.

Clin Rev Allergy Immunol. 2016 Dec;51(3):315-328.

The Genetics and Epigenetics of Atopic Dermatitis-Filaggrin and Other Polymorphisms.

Liang Y¹, Chang C², Lu Q³.



**¿En qué ha cambiado
el abordaje de la
enfermedad de la
piel?**





ACADEMIA ESPAÑOLA
DE DERMATOLOGÍA
Y VENEREOLOGÍA

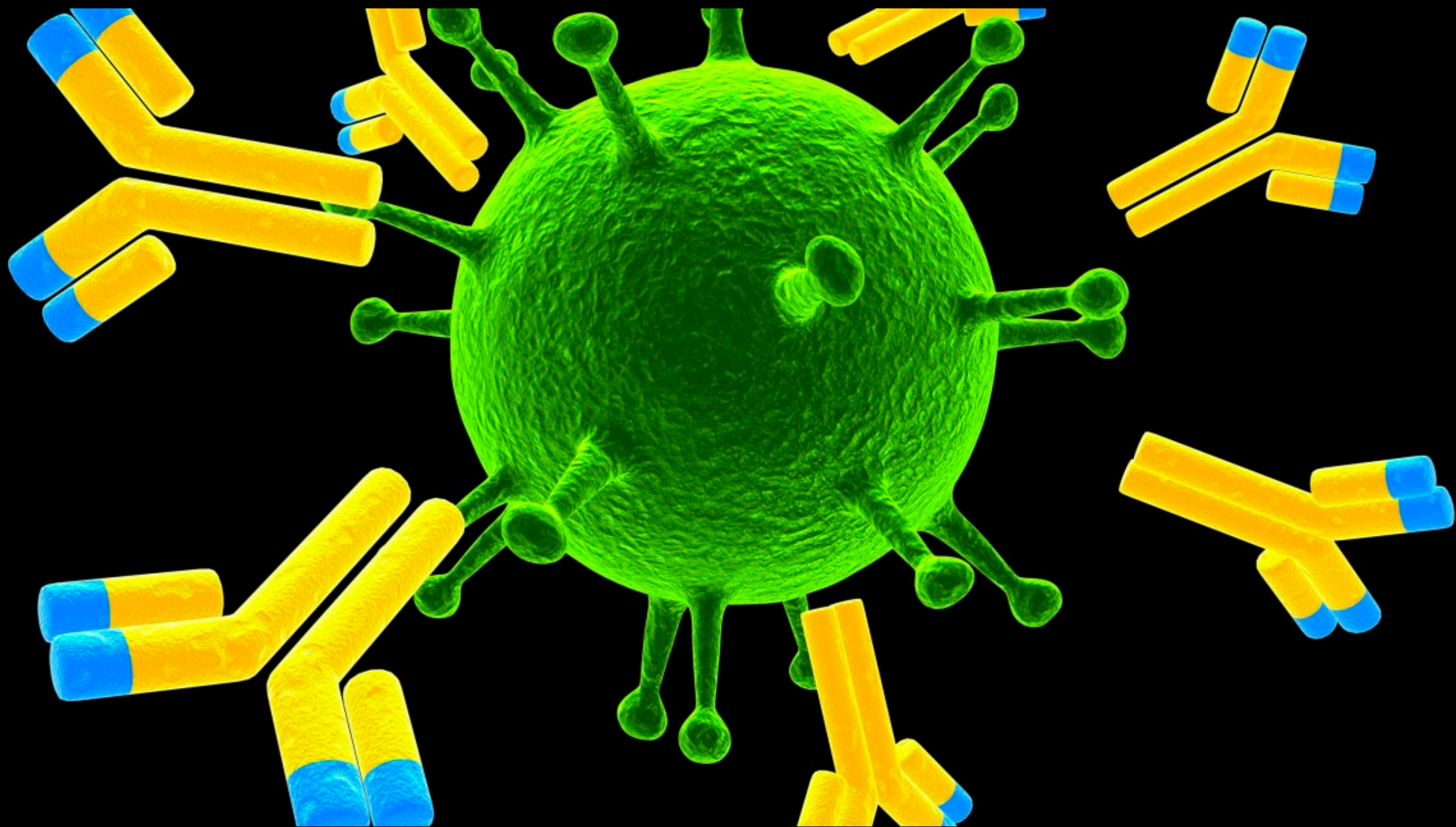
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- Permetrina.
- Antralinas.
- Breas.
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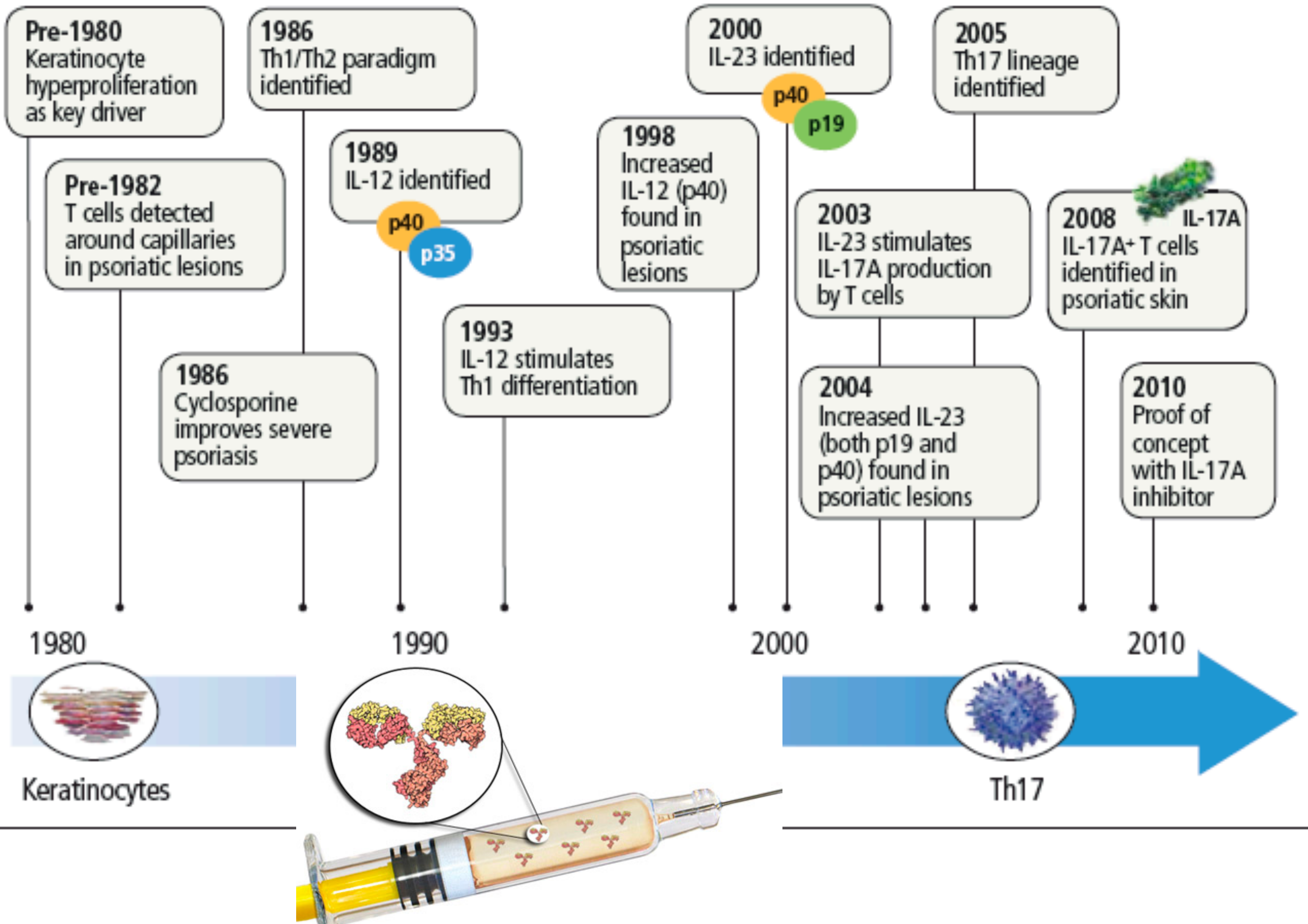
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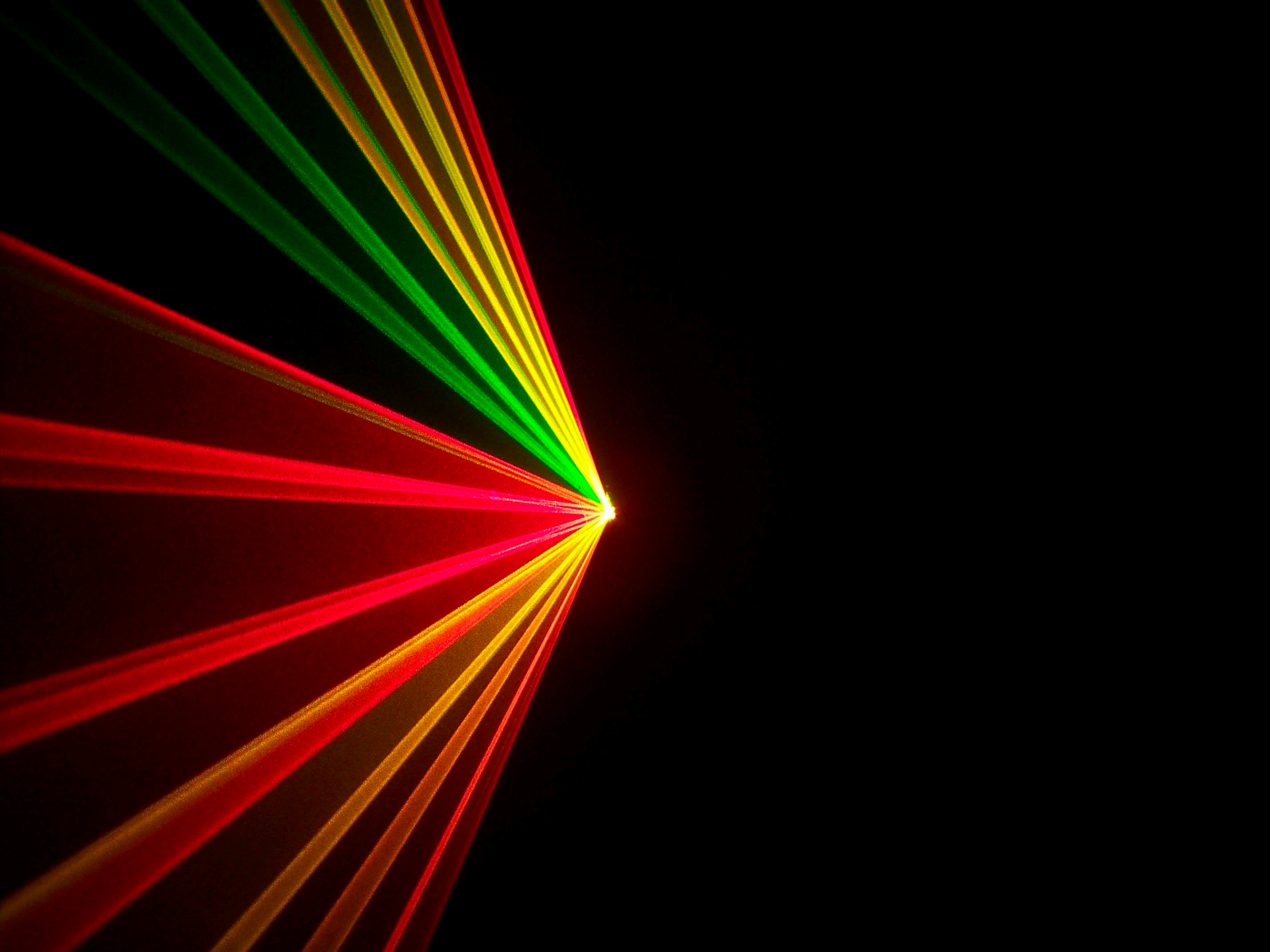
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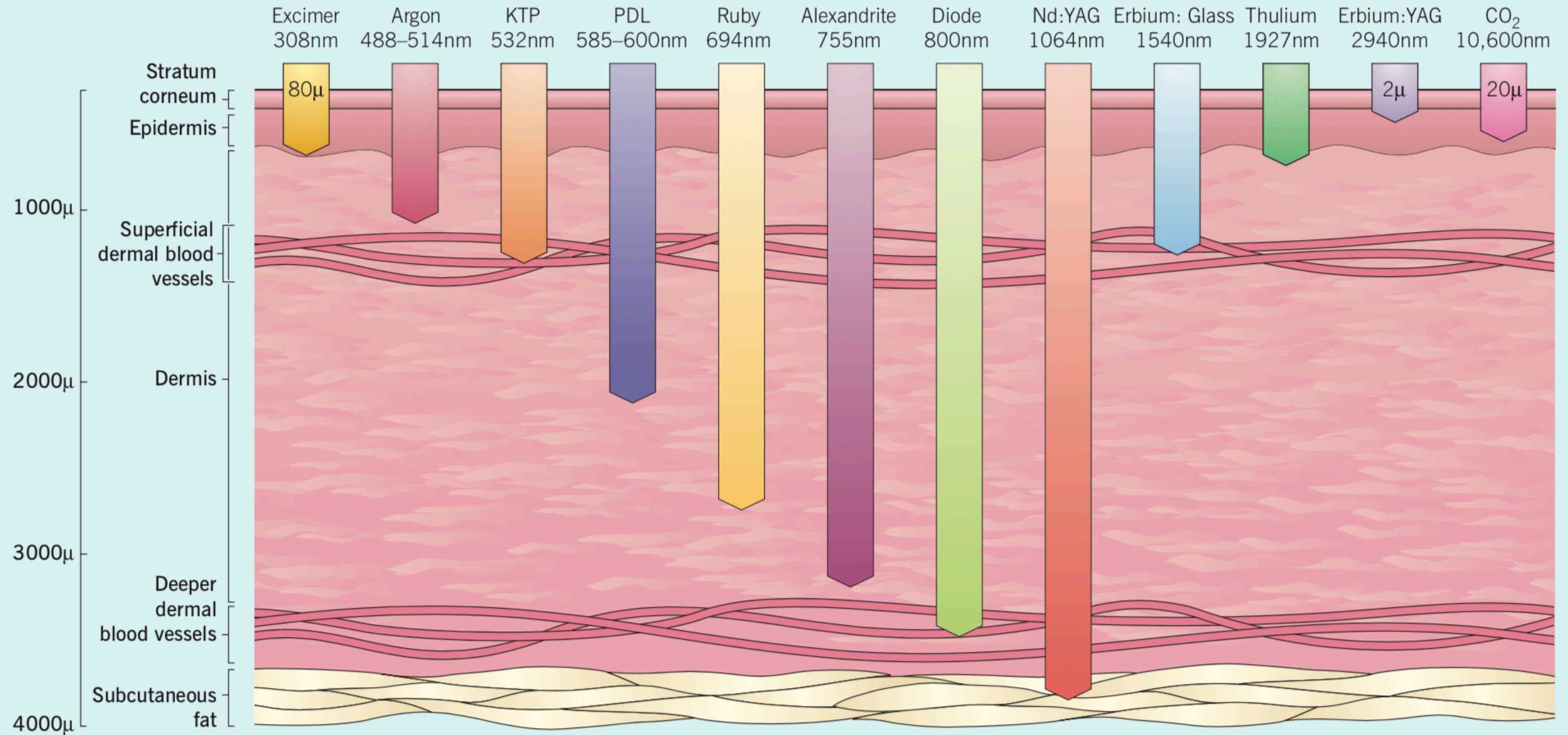
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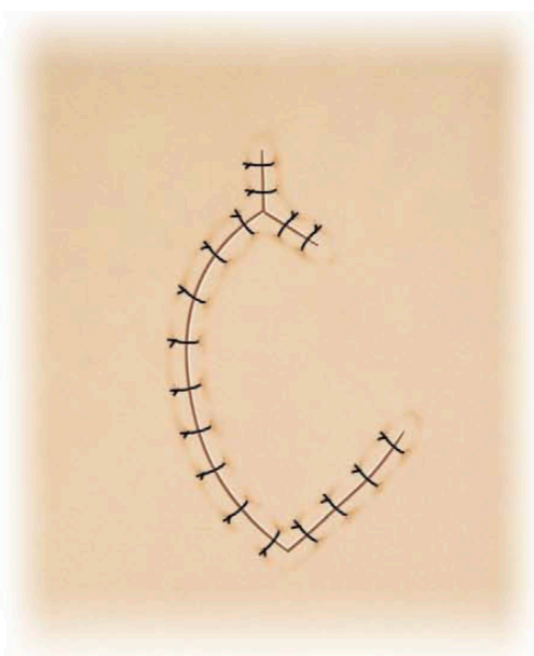
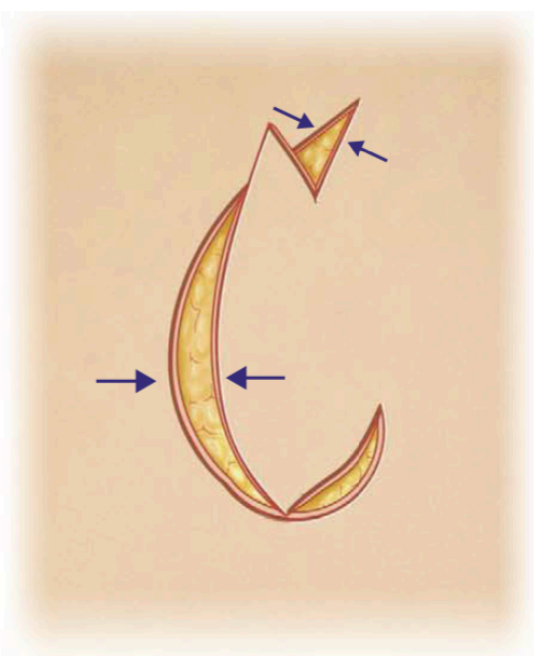
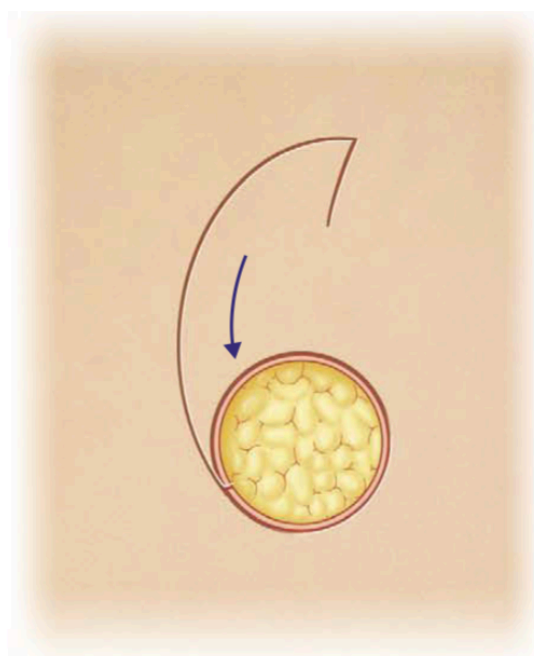
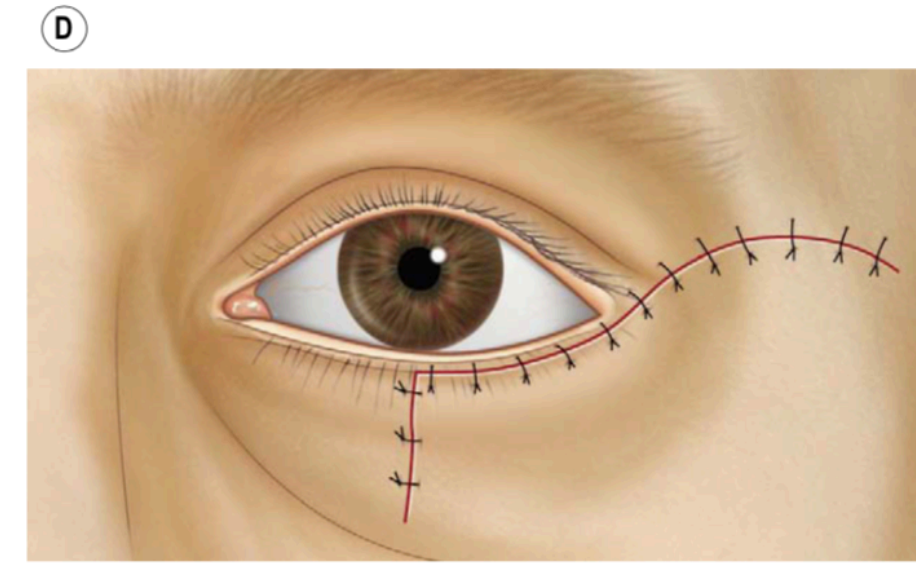
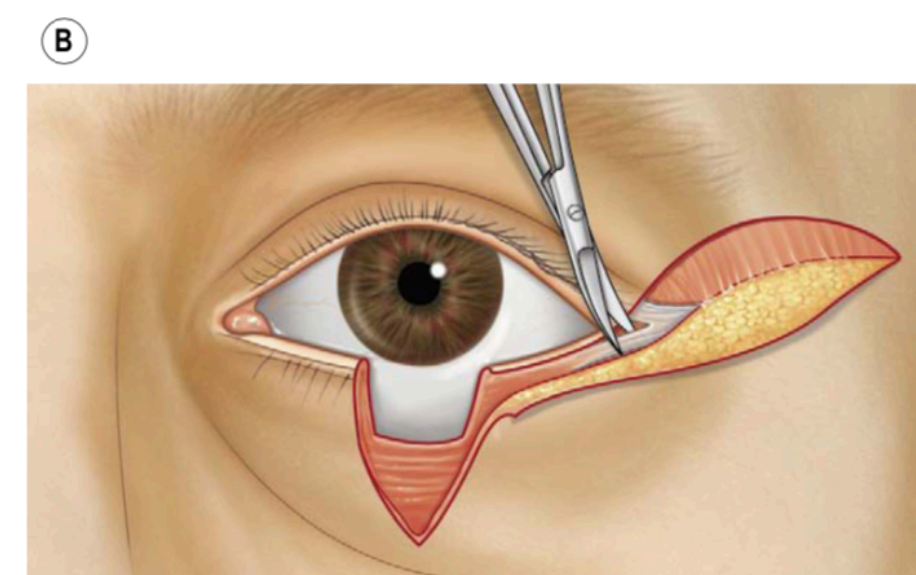
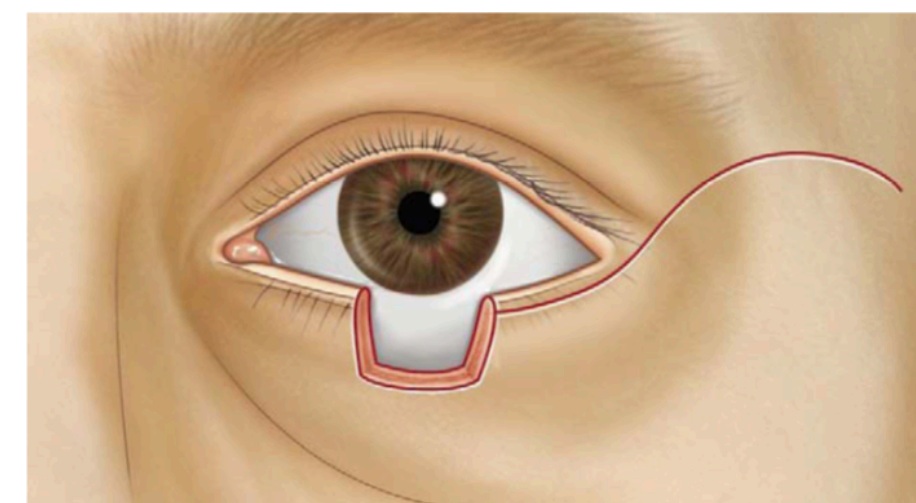
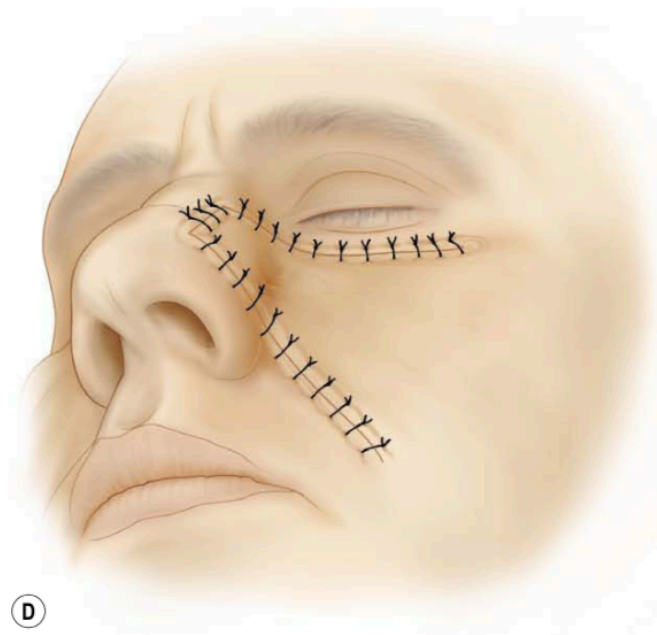
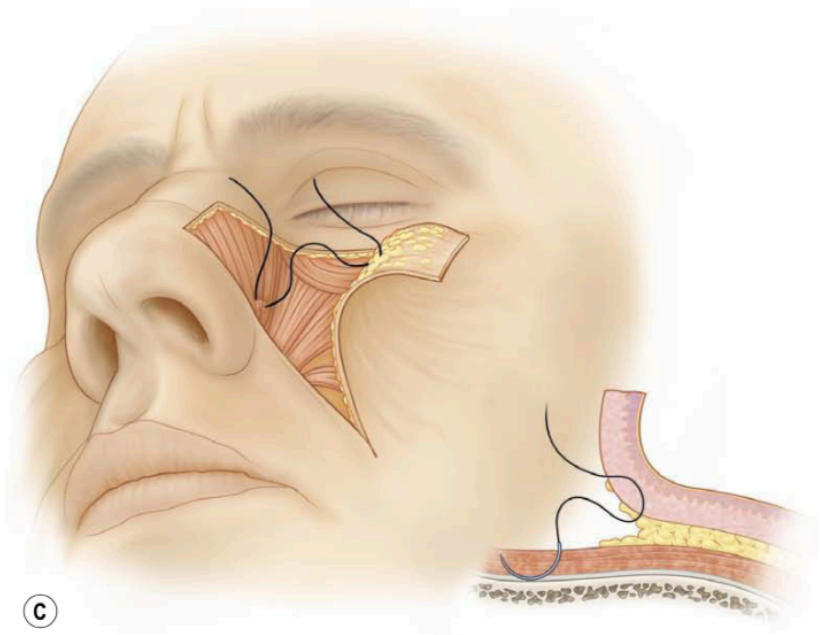
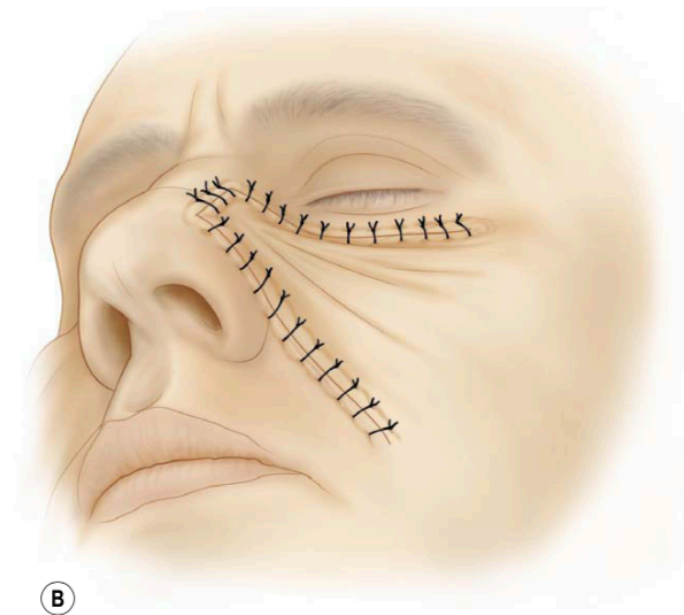
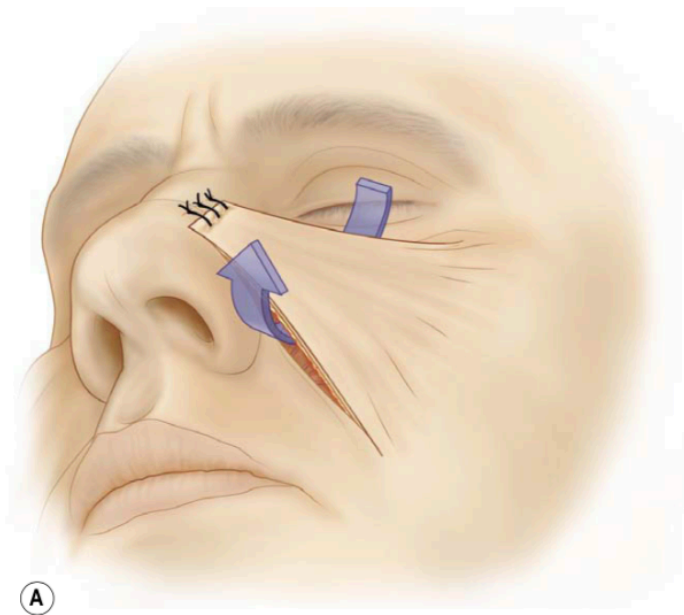


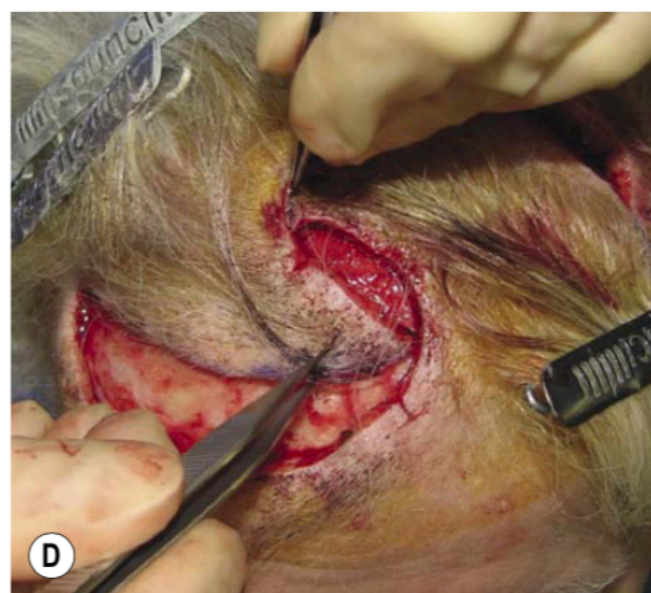


DEPTH OF OPTICAL PENETRATION BY VARIOUS LASERS



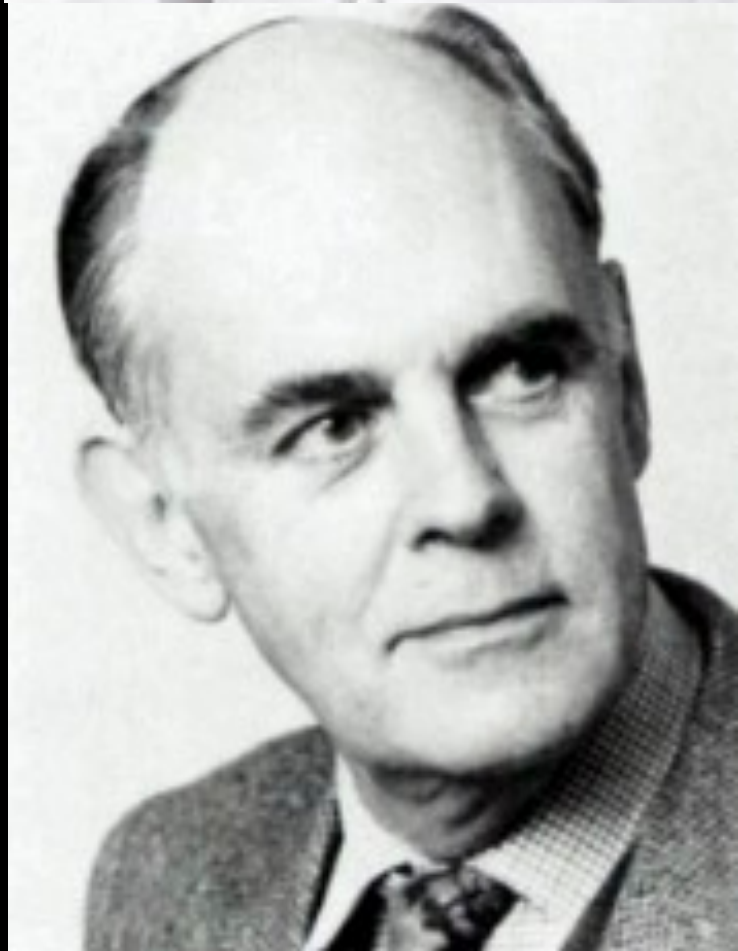
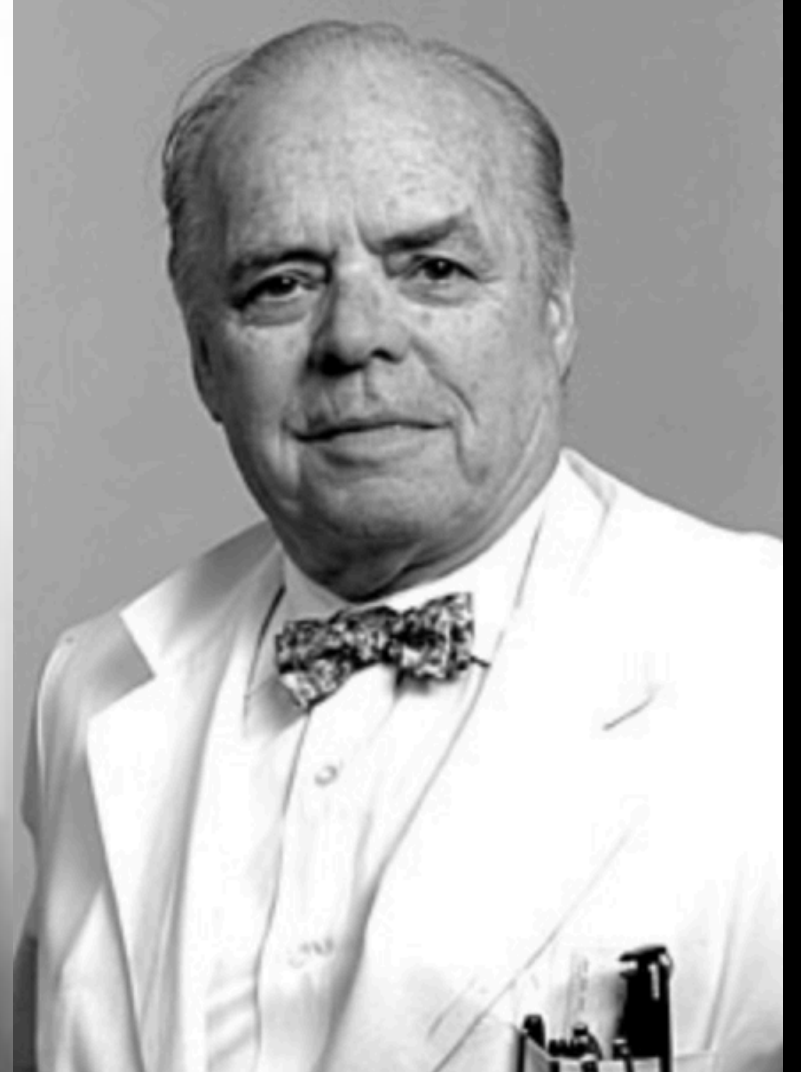








¿Hacia dónde se dirige la
dermatología del siglo XXI?

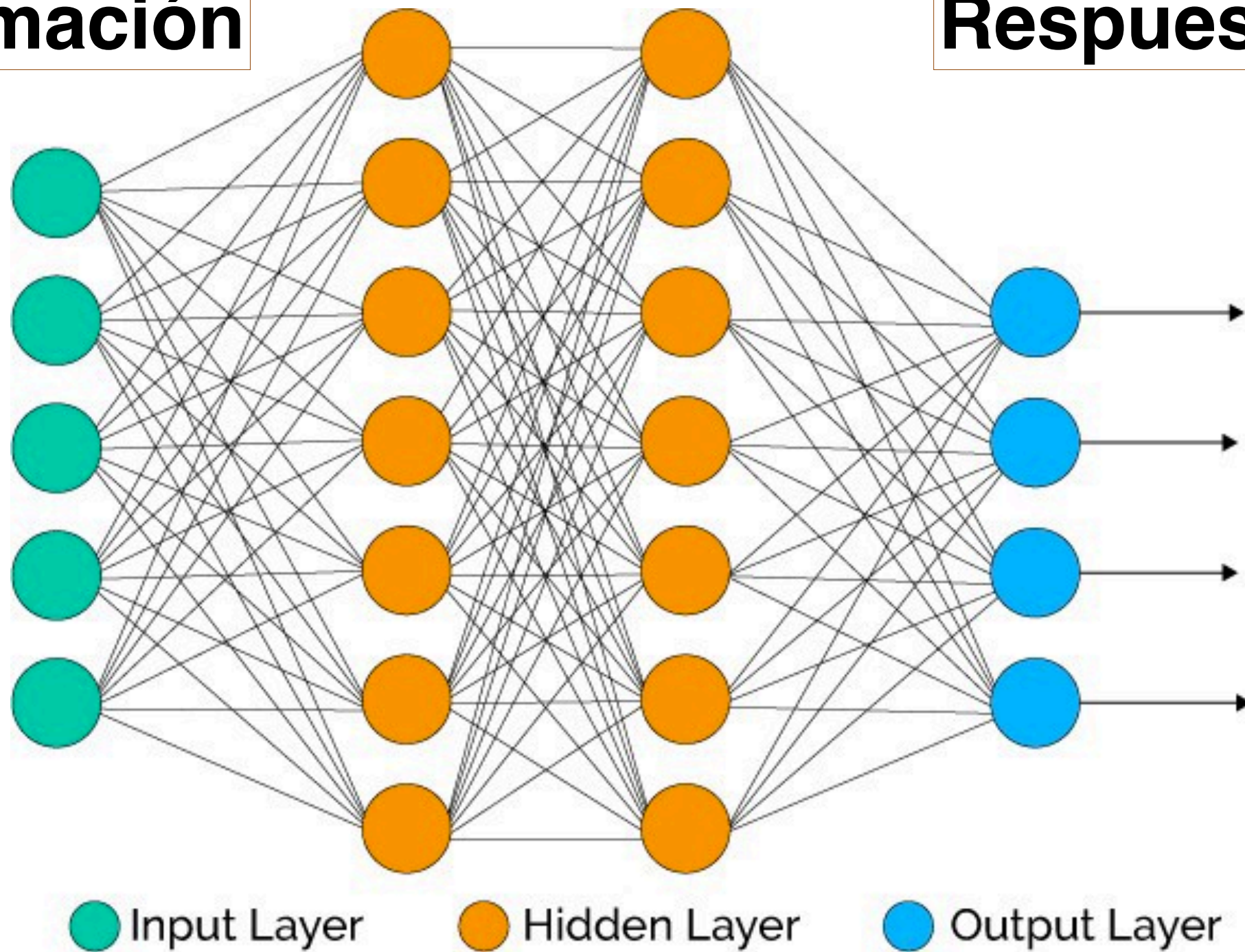






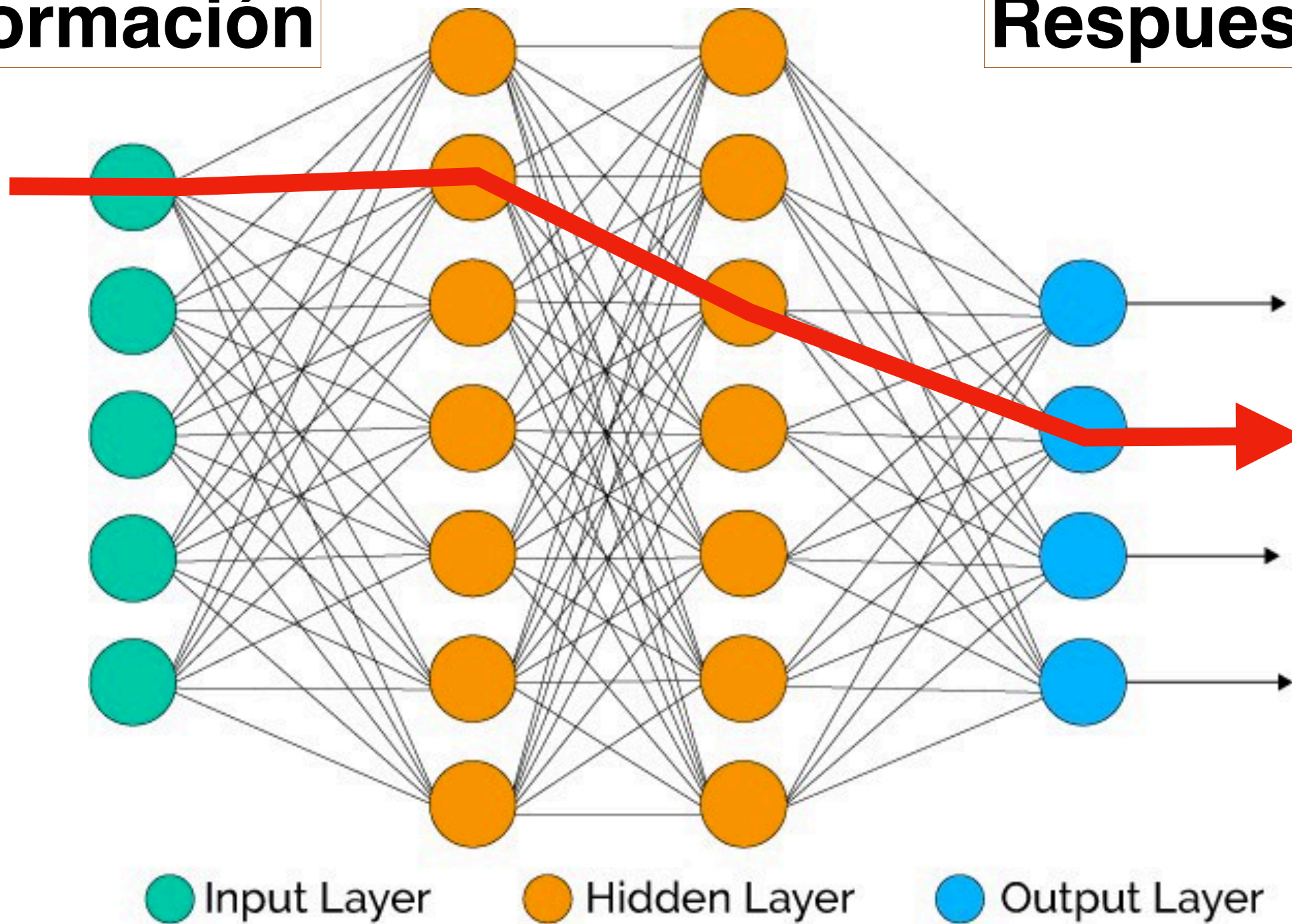
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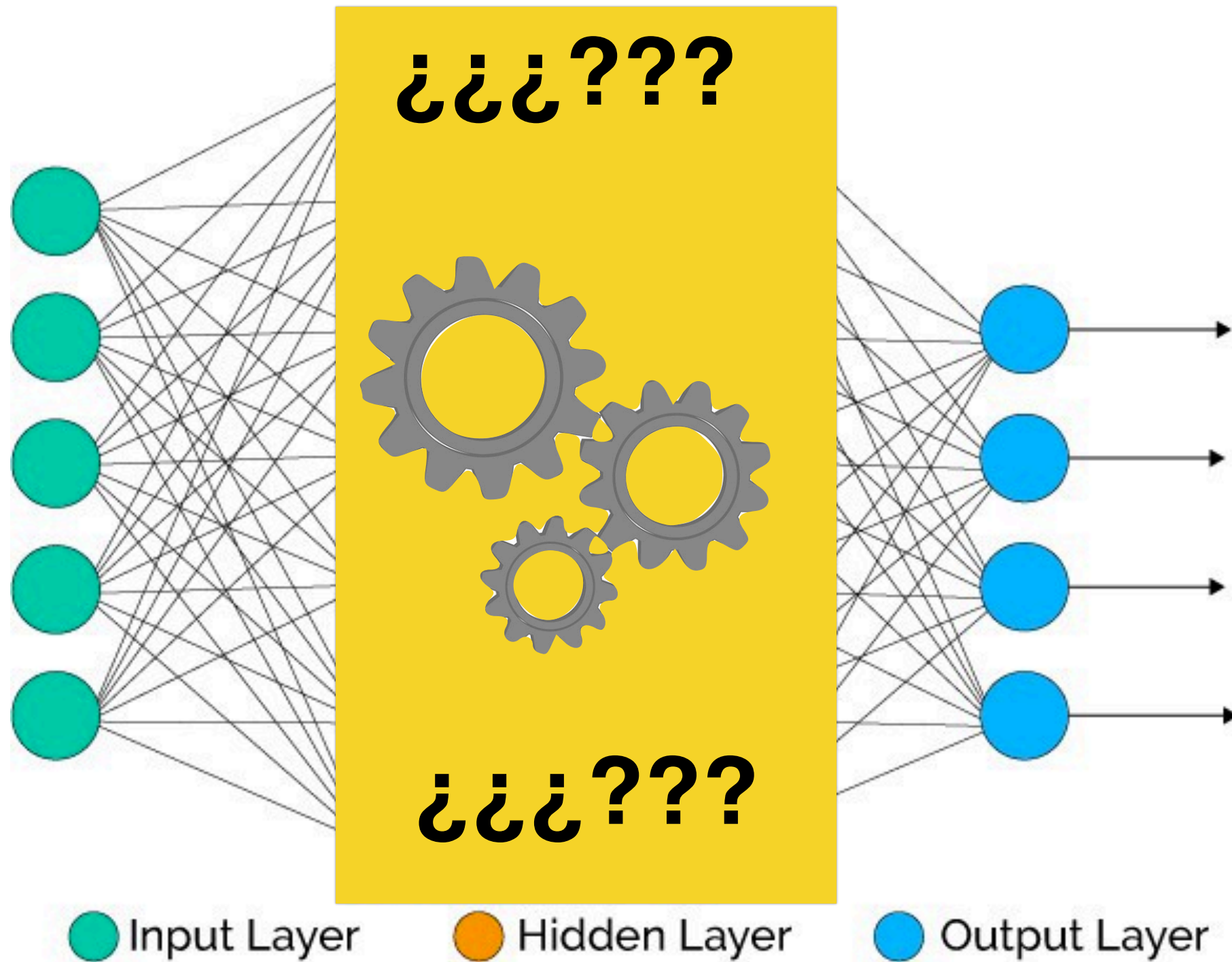
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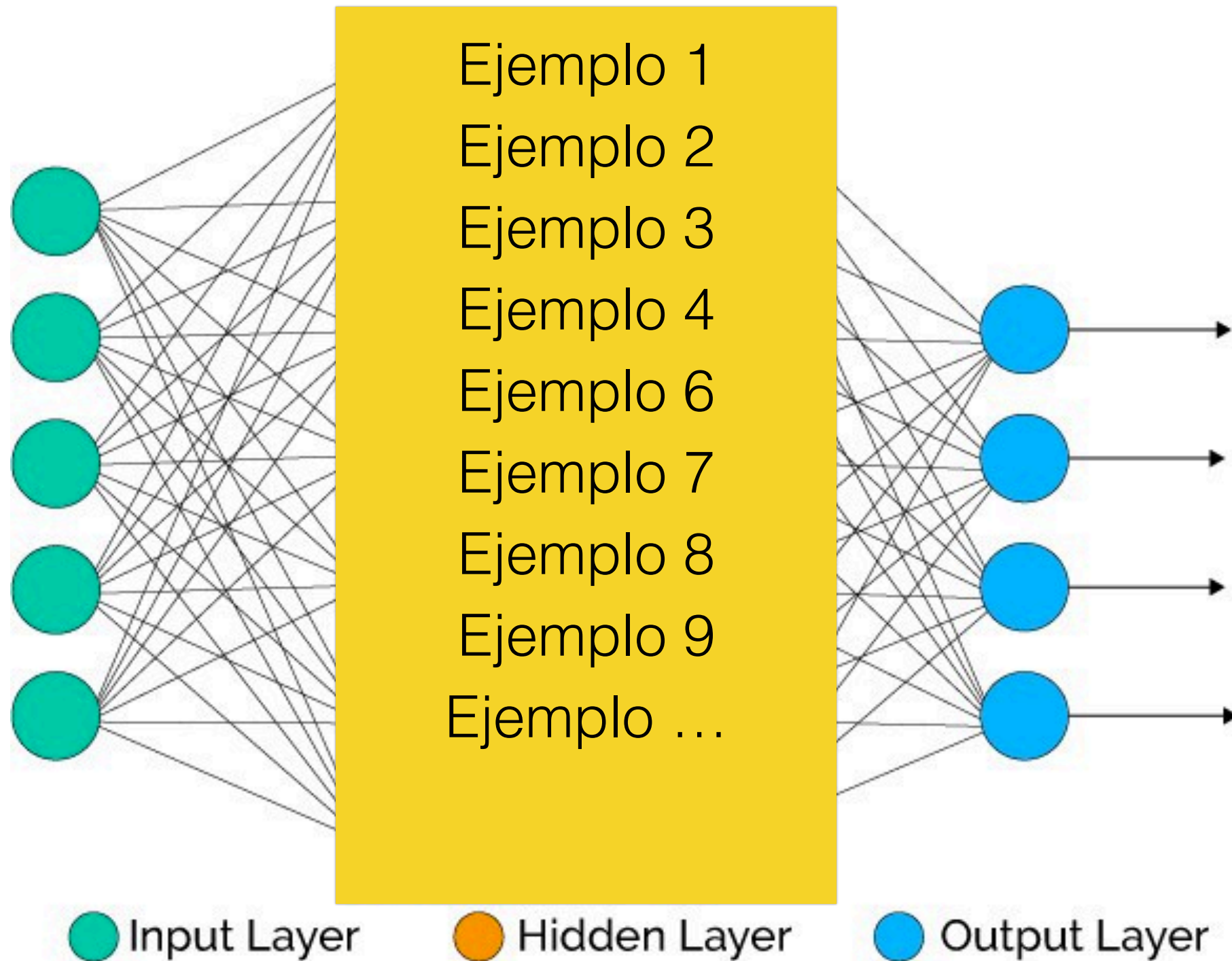
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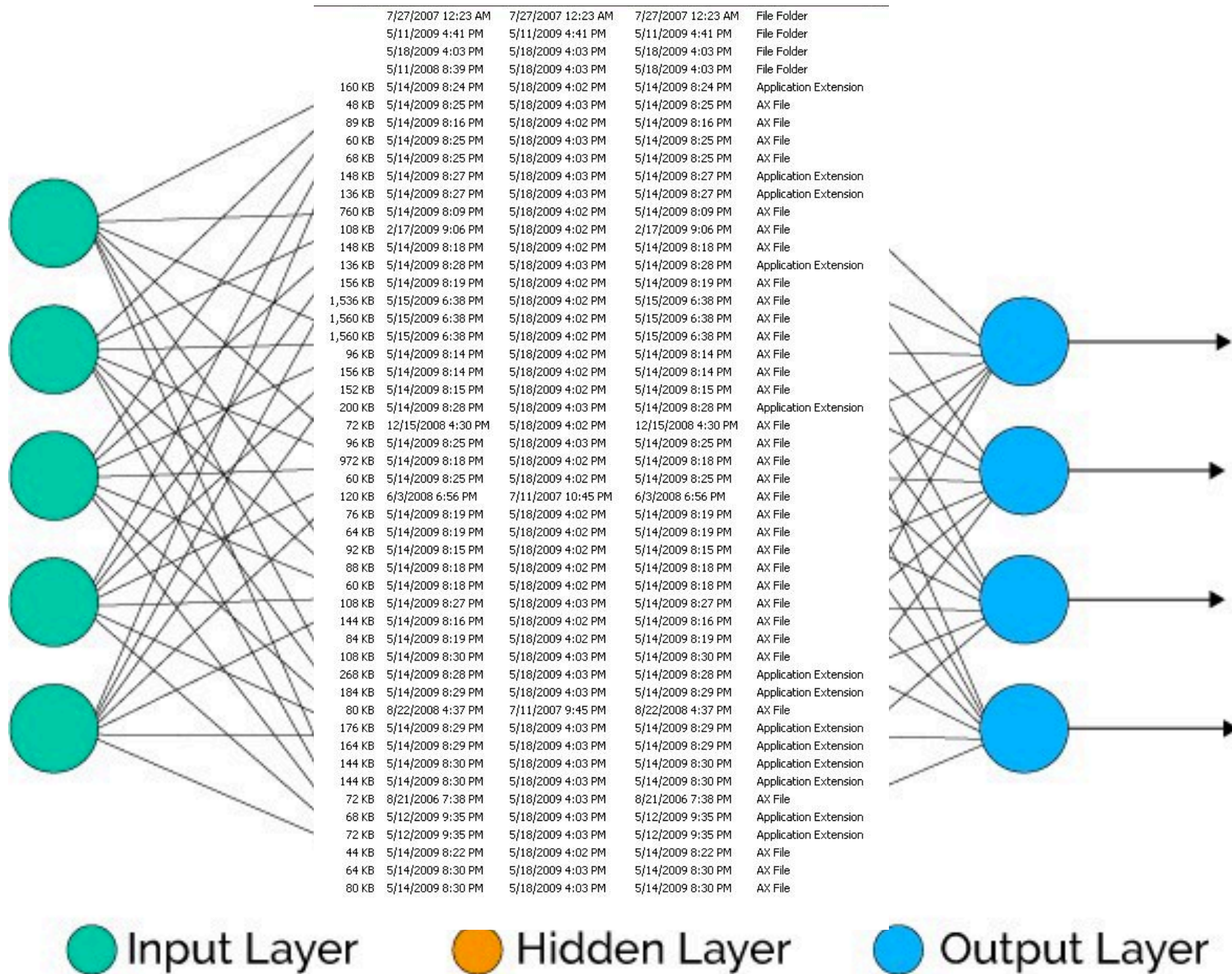
Respuesta













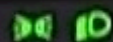
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III

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Ackerman, Pedro L. Briggs, Francisco Bravo.
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ISBN 0-8121-1580-5



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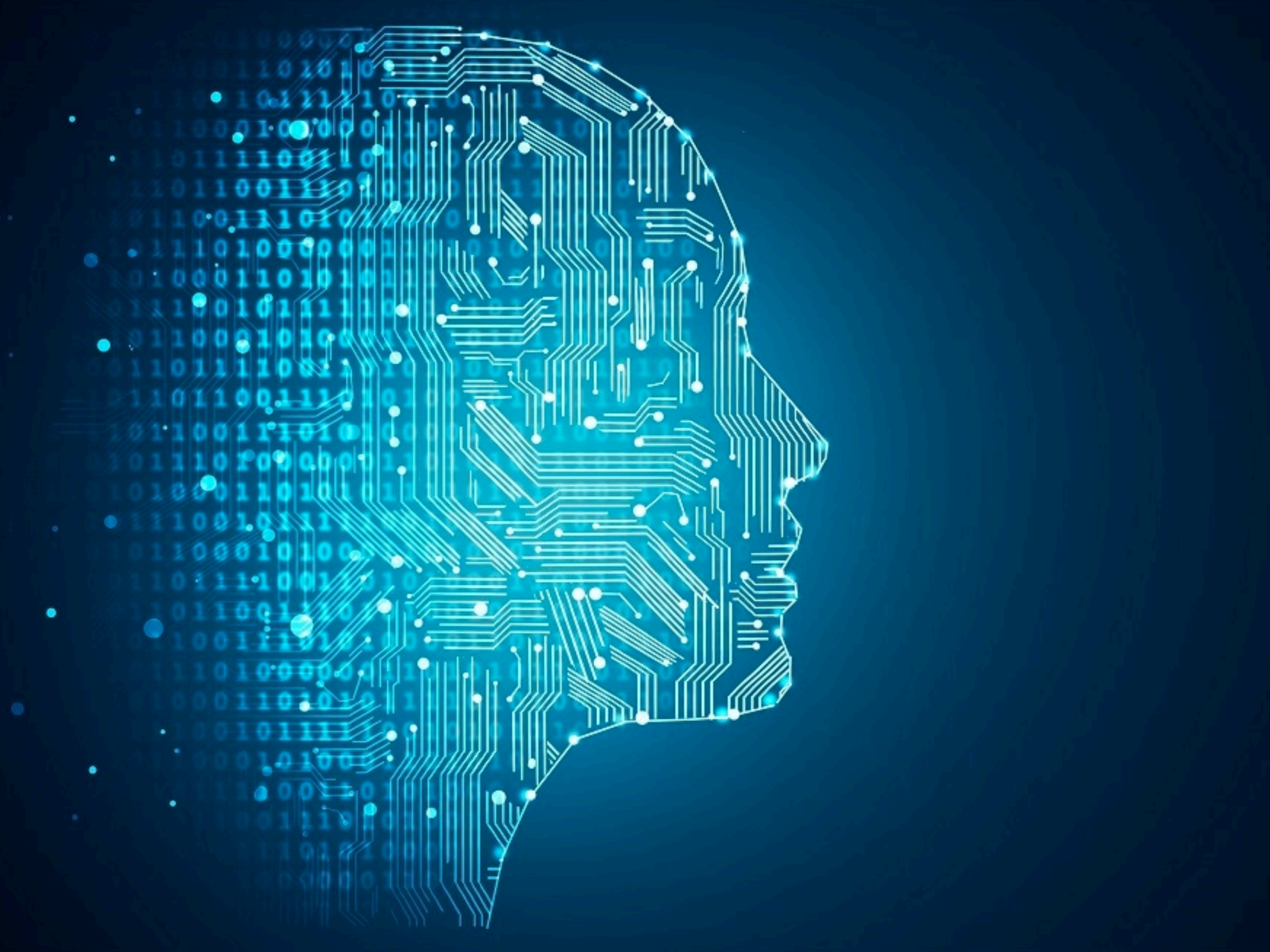
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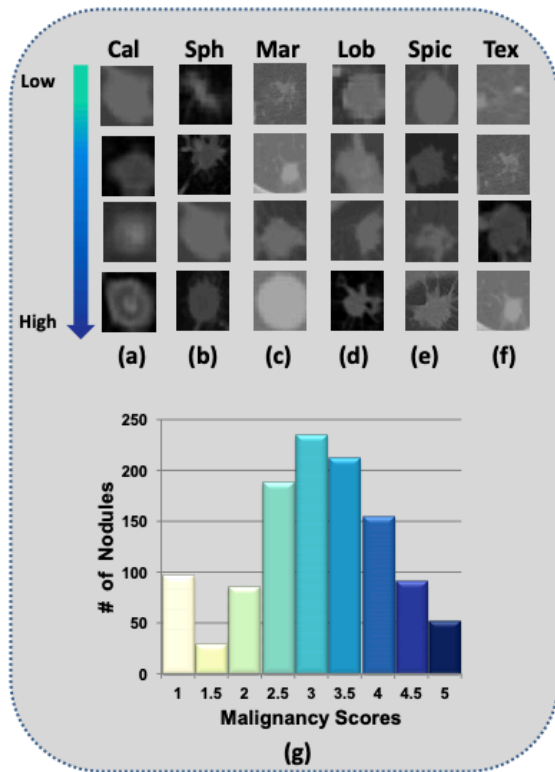
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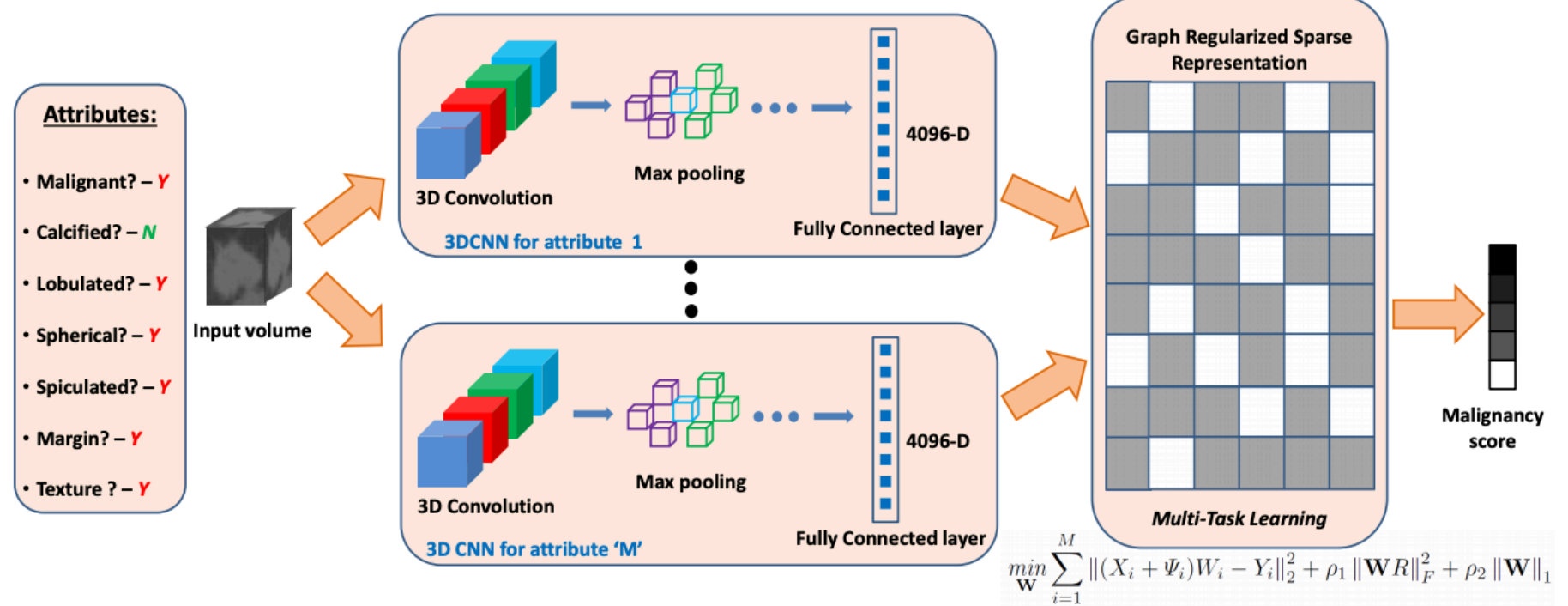


Lung and Pancreatic Tumor Characterization in the Deep Learning Era: Novel Supervised and Unsupervised Learning Approaches

Sarfaraz Hussein, Pujan Kandel, Candice W. Bolan, Michael B. Wallace, and Ulas Bagci*, *Senior Member, IEEE*.



(A) Lung nodule attributes



(B) An overview of the proposed supervised approach

Prostate Cancer Classification with Multi-parametric MRI Transfer

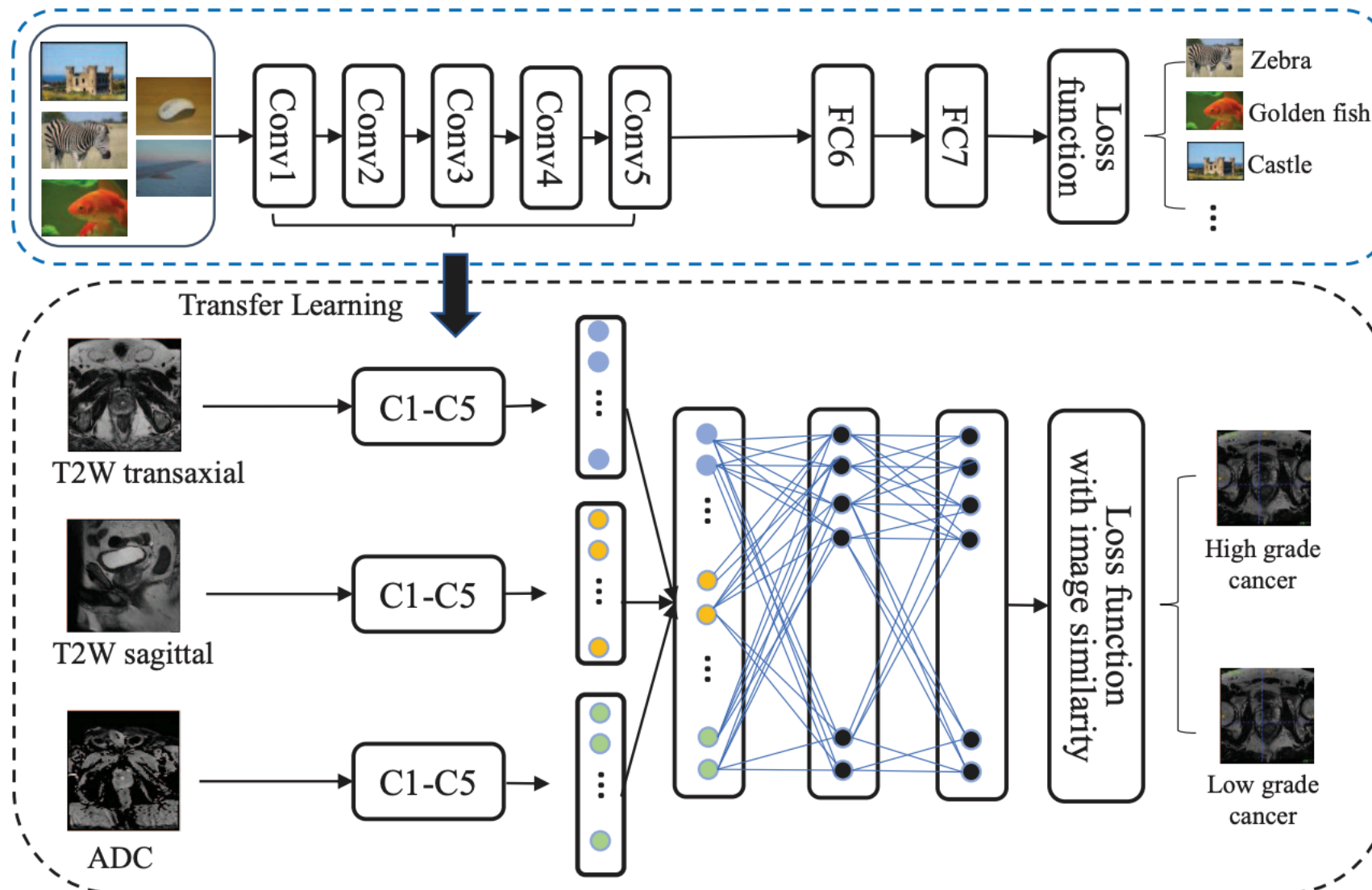
Learning Model

Yixuan Yuan*

Department of Electronic Engineering,

City University of Hong Kong, Hong Kong and

Department of Radiation Oncology, Stanford University, Stanford 94305, USA



Lung sounds classification using convolutional neural networks

Dalal Bardou^{a,*}, Kun Zhang^{a,*}, Sayed Mohammad Ahmad^b

^a School of Computer Science and Engineering, Nanjing University of Science and Technology, Nanjing, China

^b Lareb Technologies, India

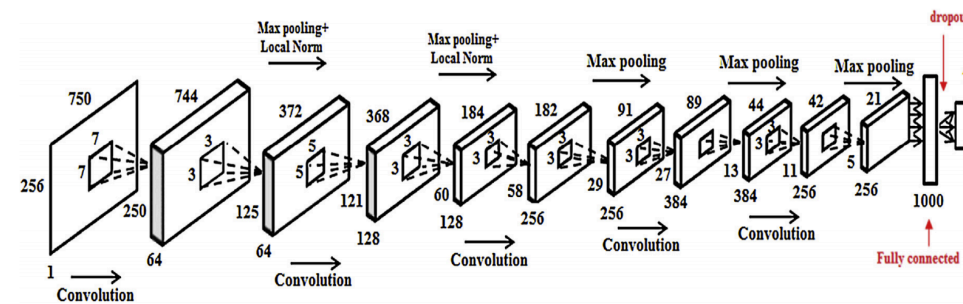
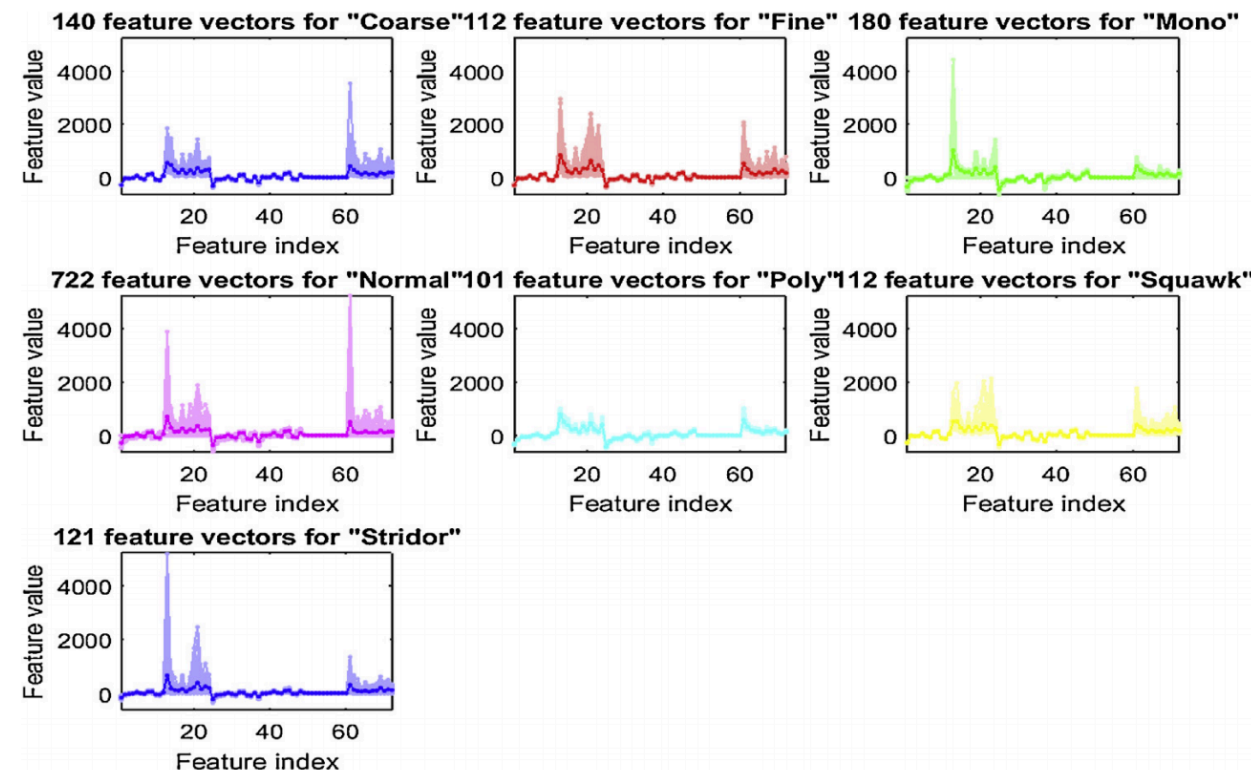
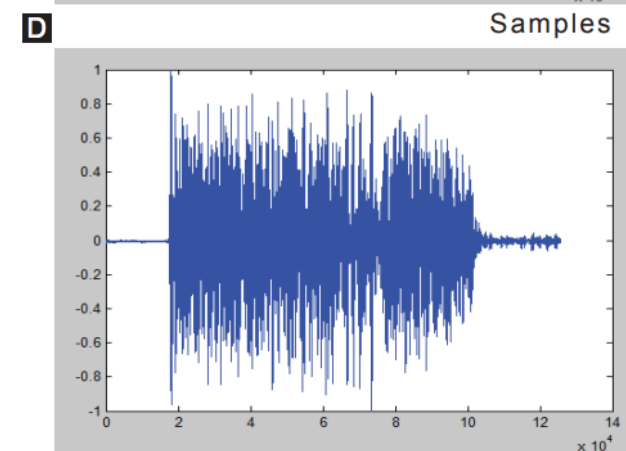
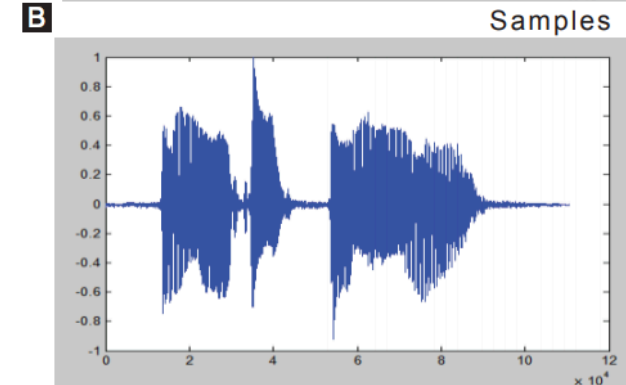
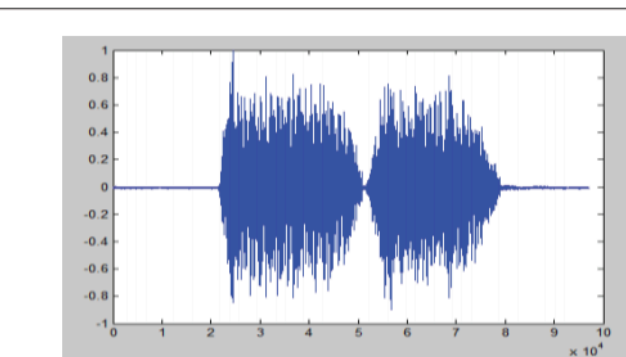
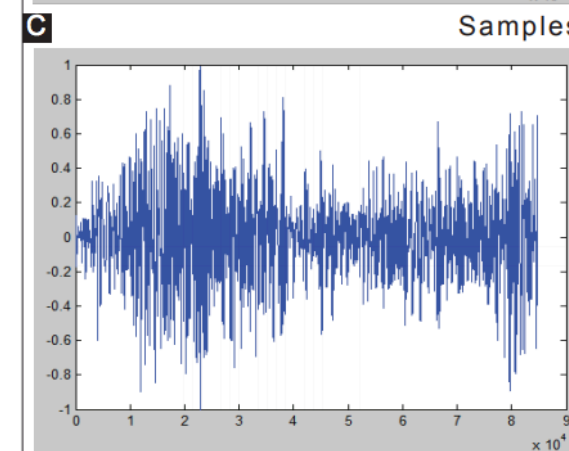
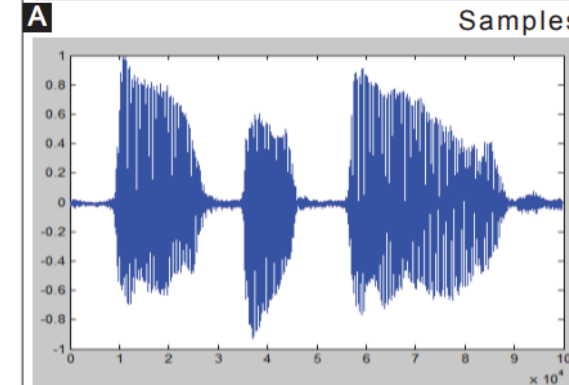
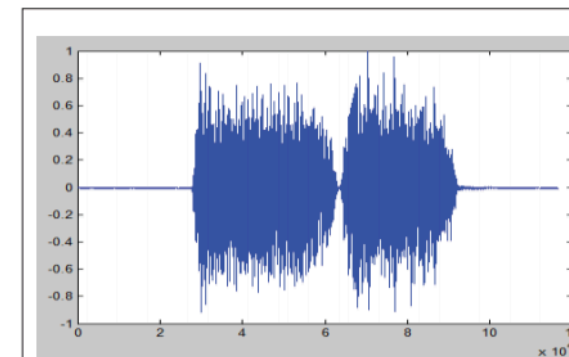
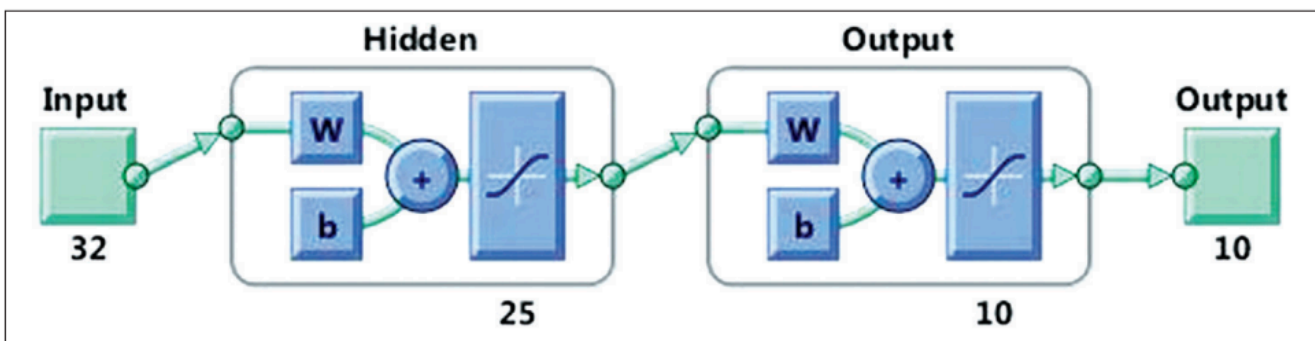
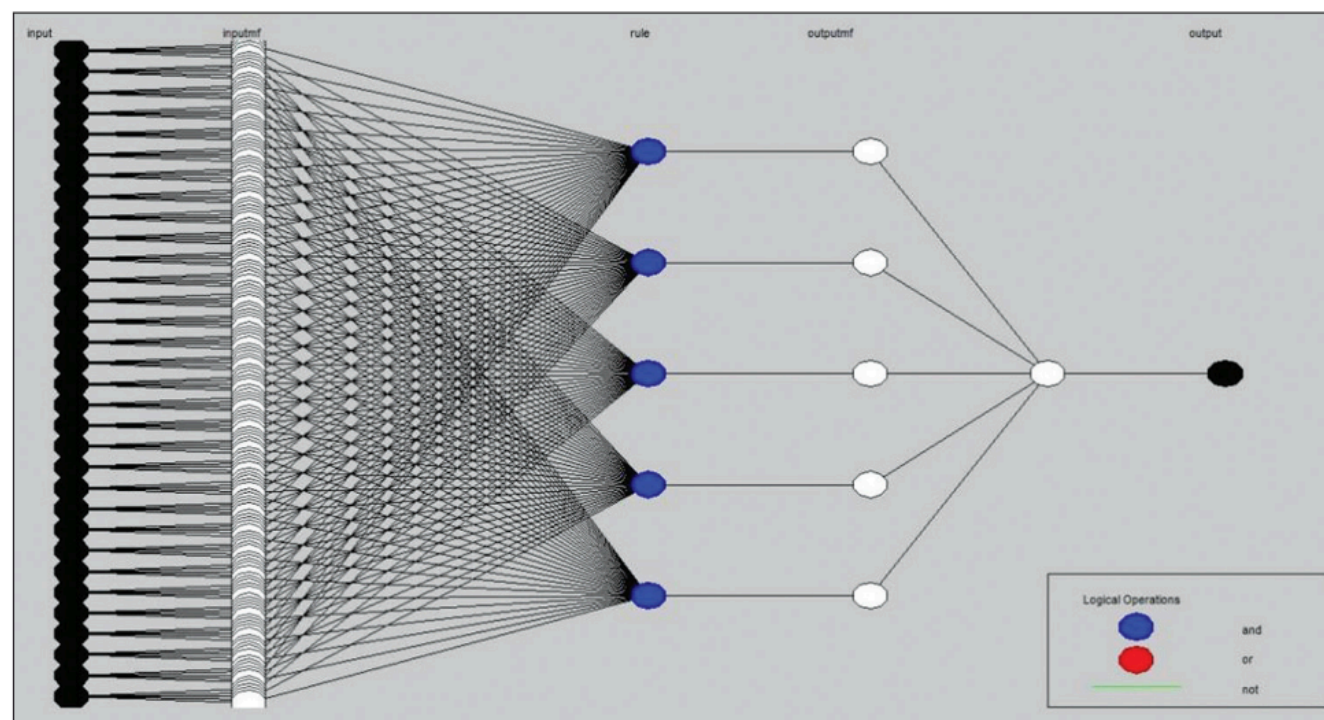


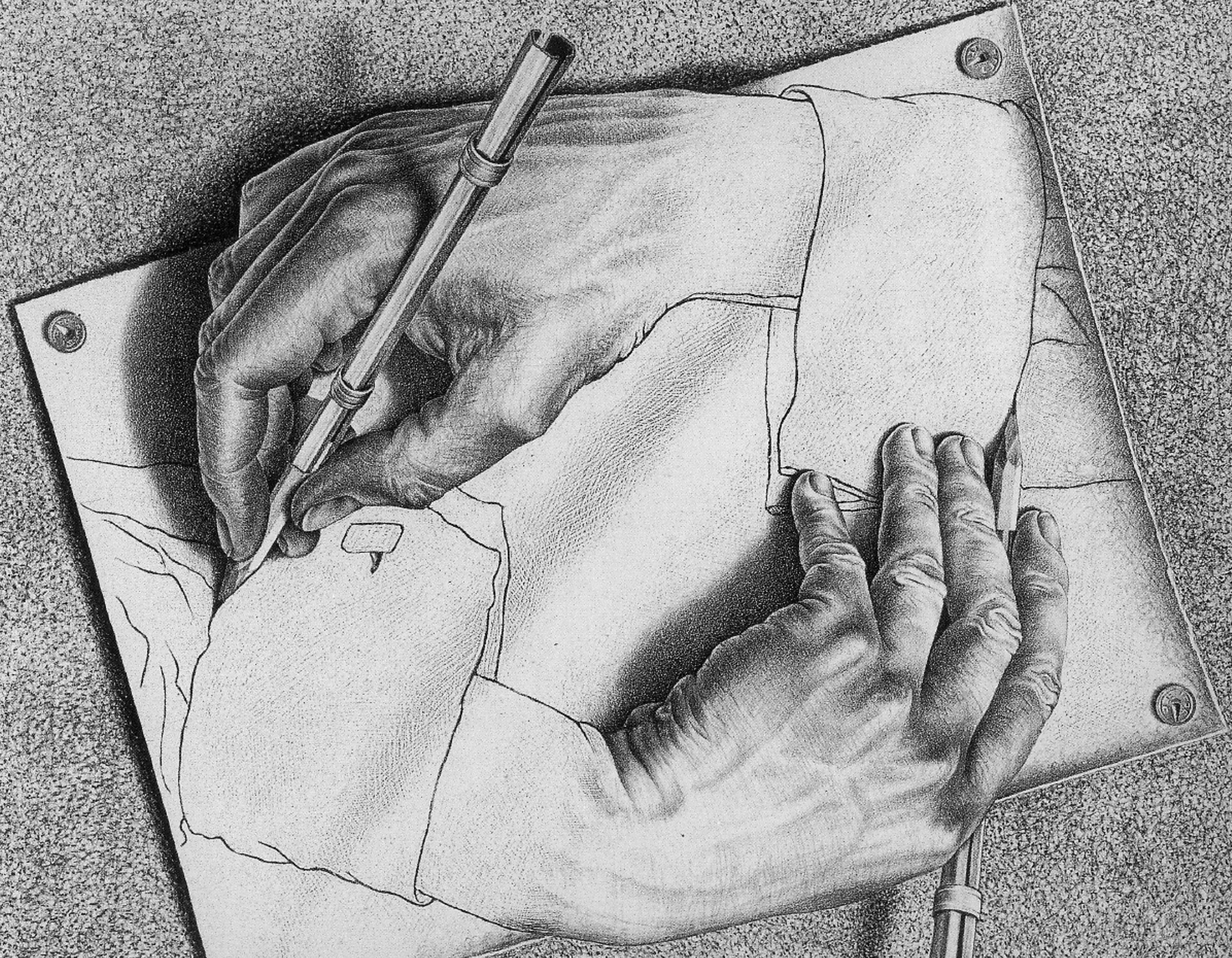
Fig. 1. The topology of the proposed convolutional neural network.



An Alternative Respiratory Sounds Classification System Utilizing Artificial Neural Networks

Rami J. Oweis, Enas W. Abdulhay, Amer Khayal, Areen Awad





Melanoma Classification on Dermoscopy Images using a Neural Network Ensemble Model

Fengying Xie*, Haidi Fan, Yang Li, Zhiguo Jiang, Rusong Meng, and Alan C. Bovik, Fellow, IEEE

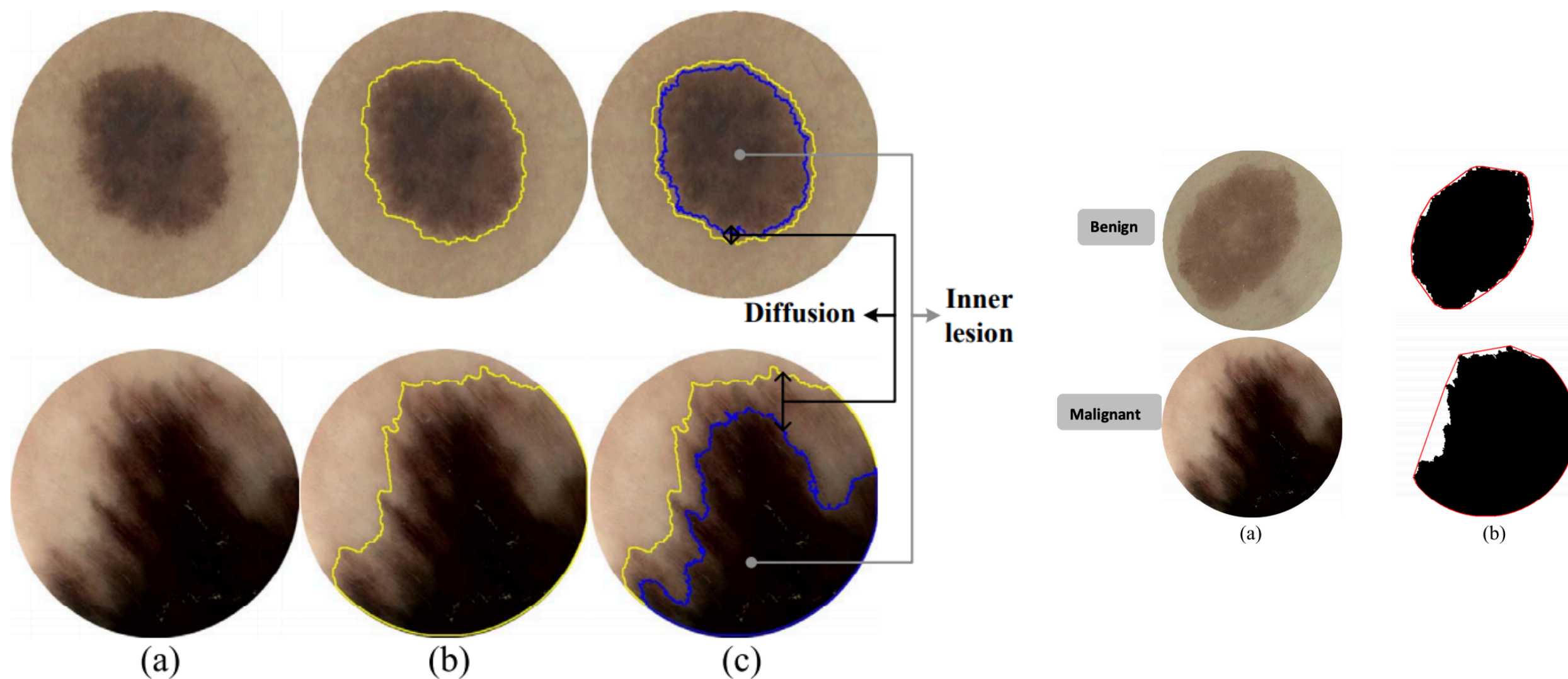
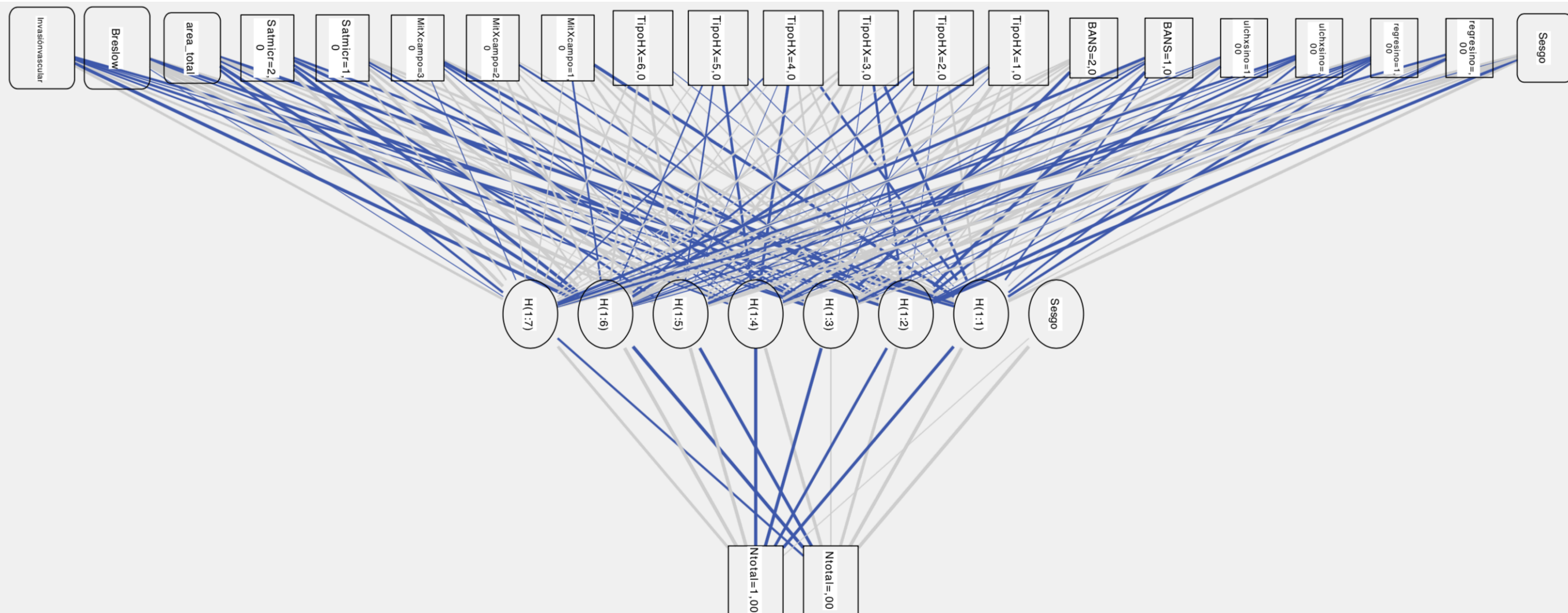
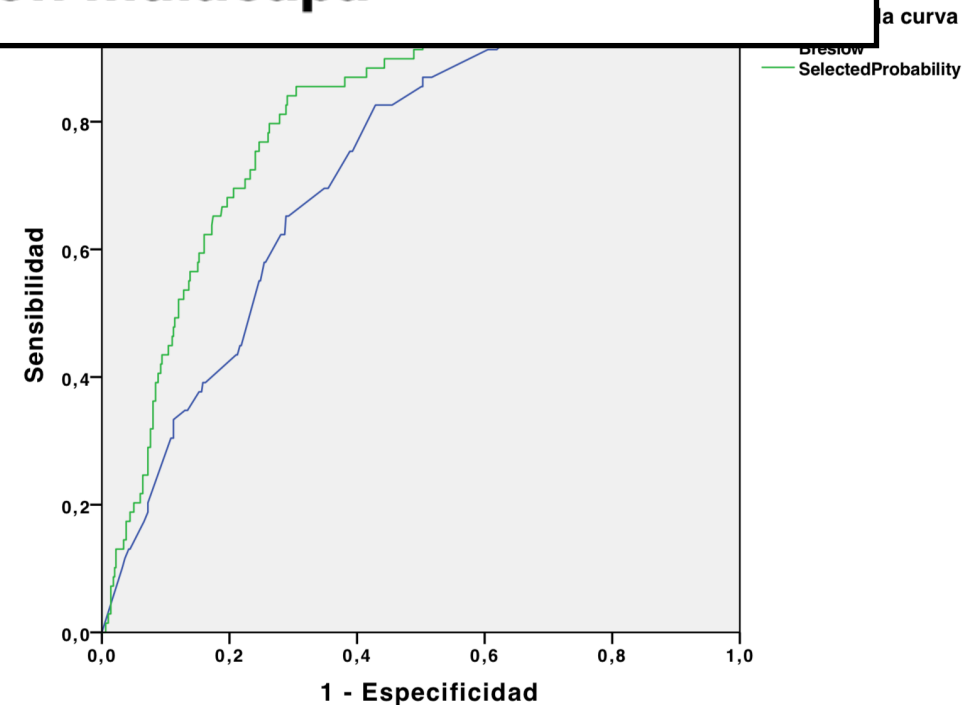
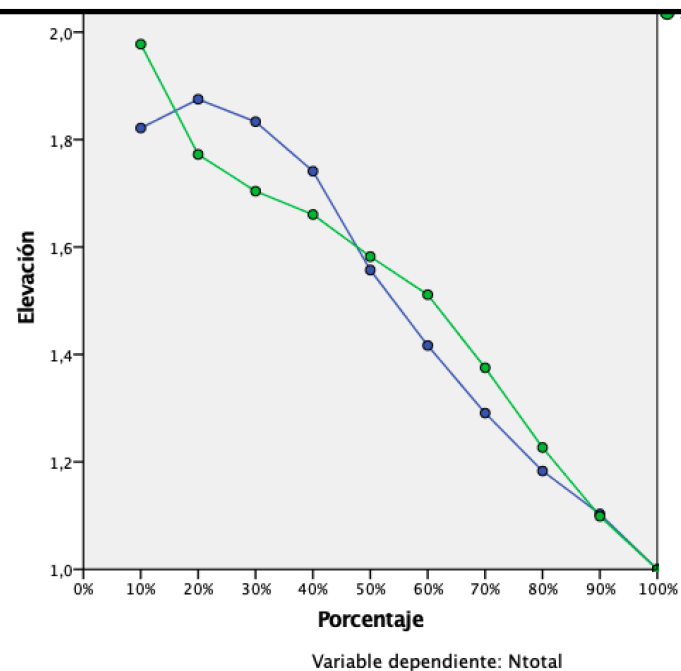
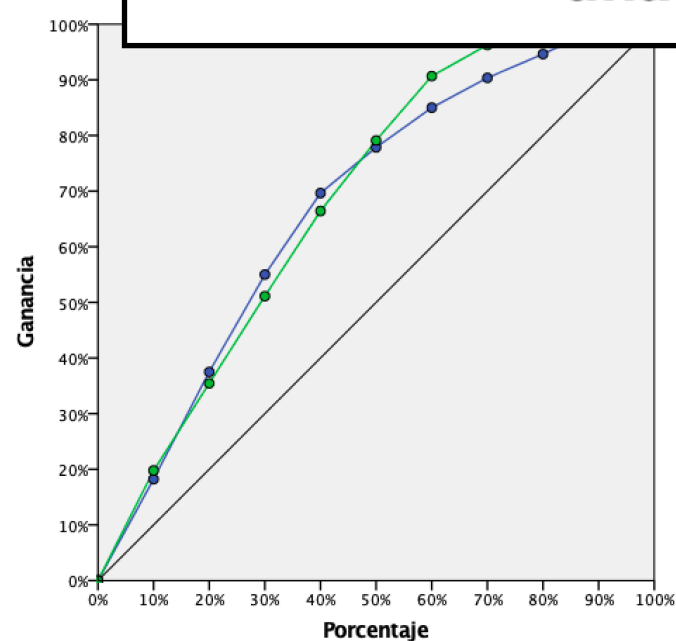


Fig. 3. Generation of two lesion regions. (a) Original lesion image. (b) Segmentation result on (a) Using SGNN. (c) Using SGNN followed by Otsu's threshold.



Evaluación del riesgo de metástasis ganglionares de melanoma mediante una red neuronal de tipo perceptrón multicapa



Letter to the Editor

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Muchas gracias