



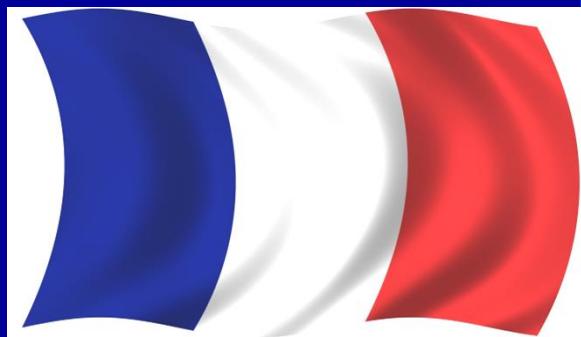
BONJOUR au
GEAI 2014

*RL Humbel, Joelle Goetz,, Alain Chevailer, Catherine Johonet,
Pascale Chretien, Sophie Deplat-Jego, Sylvain Dubucquoi,
Nicole Fabien, Françoise Fortenfant, Sophie Hue, Daniela Lakomi,
Nils O.Olsson, Jean Sibilia, Thierry Vincent, Isabel Abreu, Xavier Bossuyt*

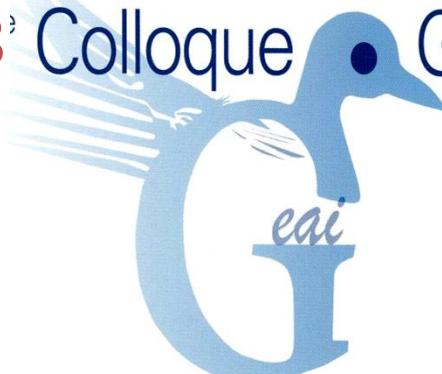
*Le professionnalisme, qui signifie compétence, étude, mise à jour,
est une qualité fondamentale.*

*Quand il n'y a pas de professionnalisme, lentement,
on glisse vers la médiocrité.*

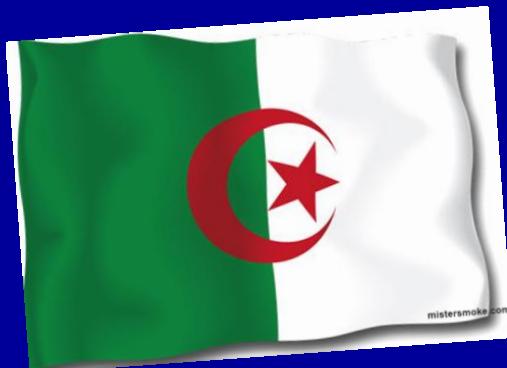




8^e Colloque GEAI 2014



The logo features a stylized blue bird (possibly a dove or pelican) perched on top of a large, light blue letter 'G'. The word 'eai' is written vertically in a smaller font inside the 'G'. Below the logo, the text 'Actualités Autoanticorps' is written in a large, bold, dark blue font.





BIOLOGIE PROSPECTIVE



NOUVEAUX AUTOANTICORPS

UTILITE CLINIQUE

FAISABILITE

COÛT

100 AUTOANTICORPS



ANTI-NUCLEAIRES	30
ANCA	2
APL	2
ESTOMAC	2
INTESTIN	3
FOIE	5
REIN	2
GLANDES ENDOCRINES	10
CŒUR	1
SYSTEME NERVEUX PERIPHERIQUE	5
SYSTÈME NERVEUX CENTRAL	20
ŒIL	1
OREILLE INTERNE	2

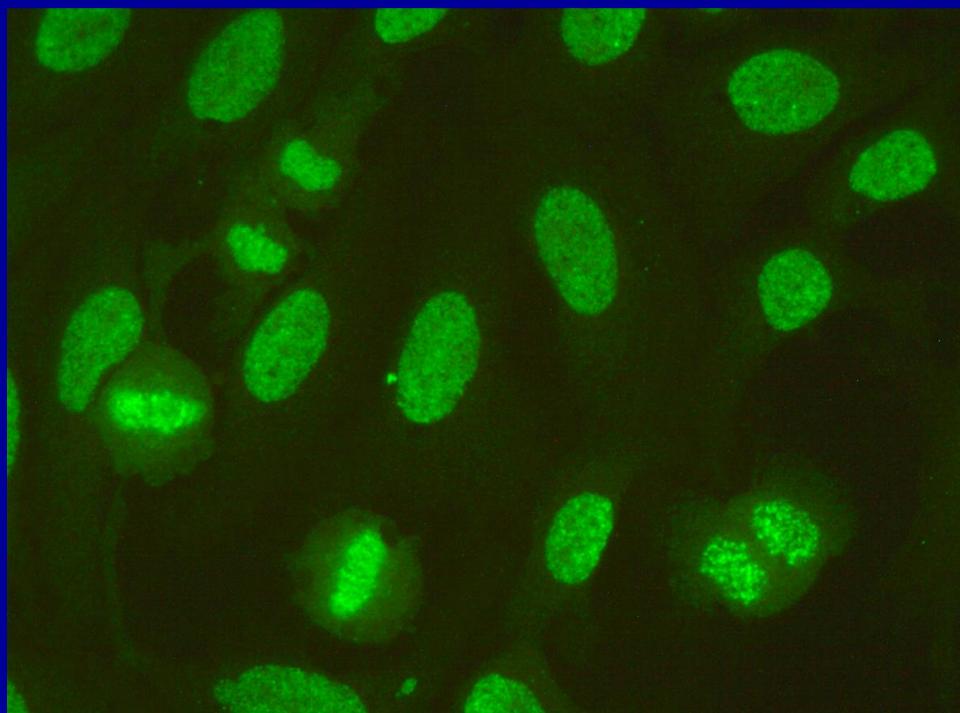
ANTI-NUCLEAR ANTIBODIES

PATTERNS ON Hep2 CELLS

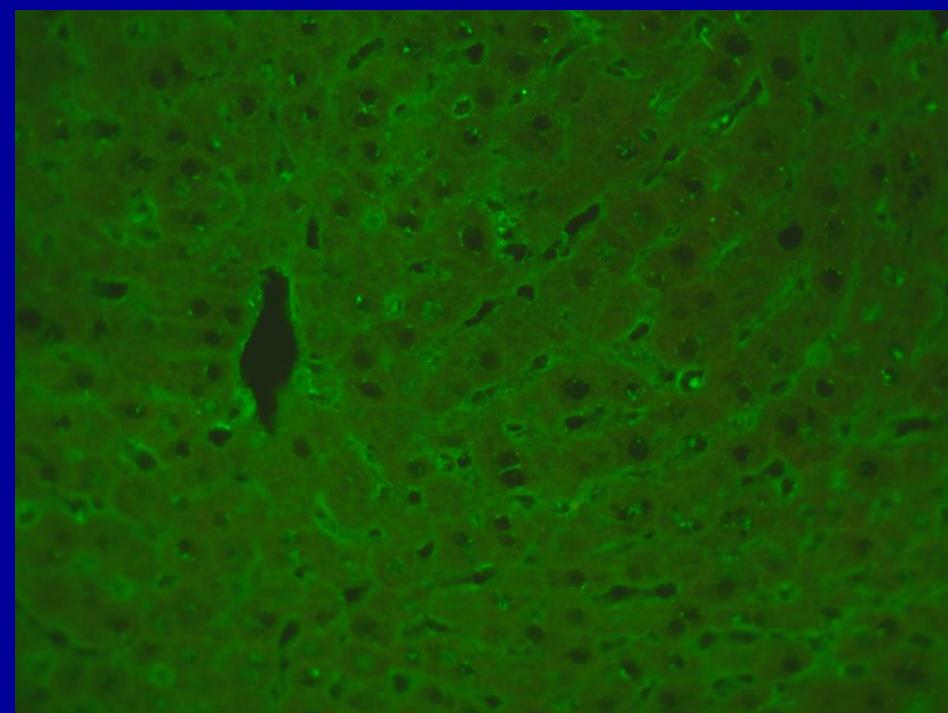
NUCLEAR	15
NUCLEOLAR	4
CYTOPLASMIC	12
PROLIFERATING CELLS	6
MITOTIC CHROMOSOMES	5
CHROMOSOMAL PASSENGER PROTEINS	2
SPINDLE APPARATUS	2
DIVIDING CELLS MIDBODY	2

ANTI-CELLULES PROLIFERATIVES

ANTI-DFS70



Cellules Hep2

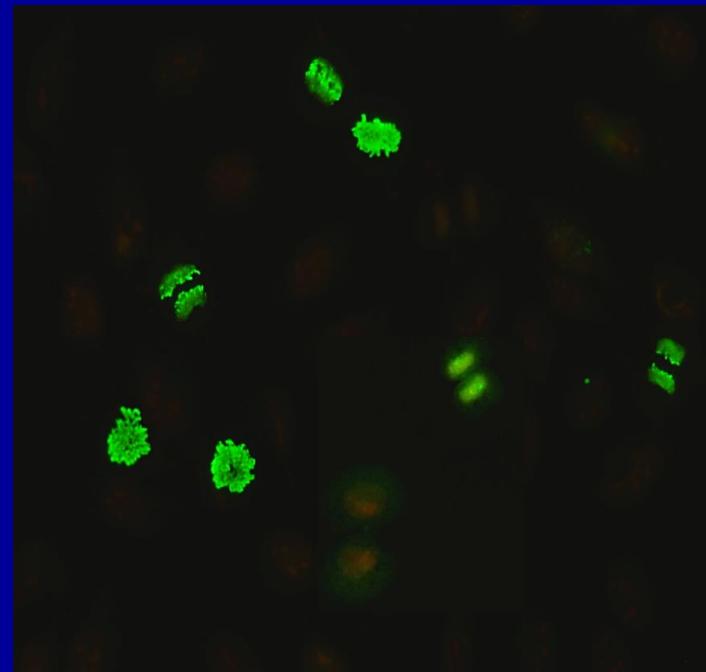
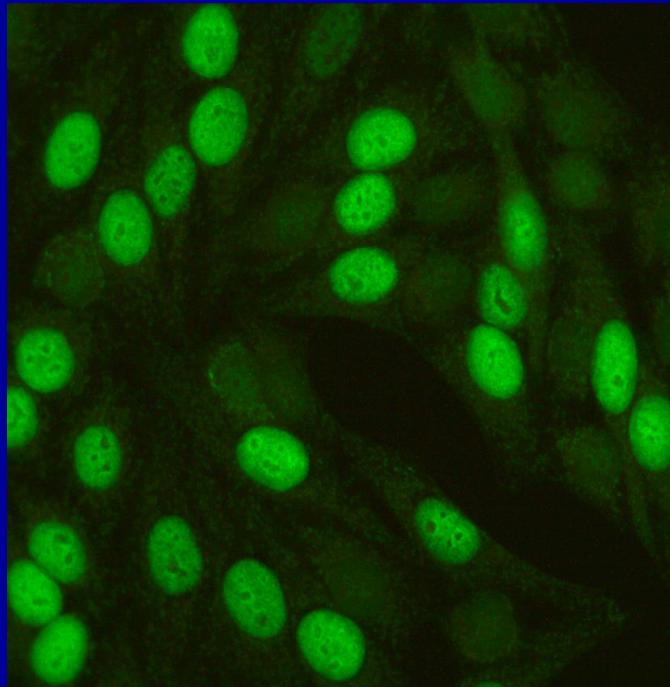


FOIE DE SOURIS

AUTOANTICORPS ET CANCER

ANTI-CELLULES PROLIFERATIVES

ANTI- PCNA et Pseudo-PCNA

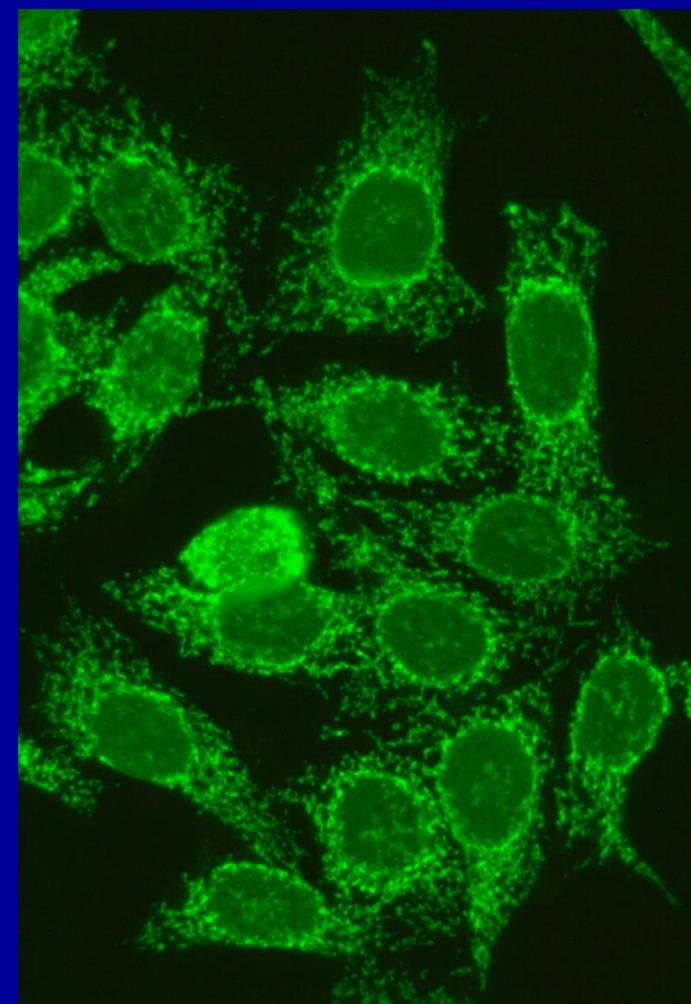
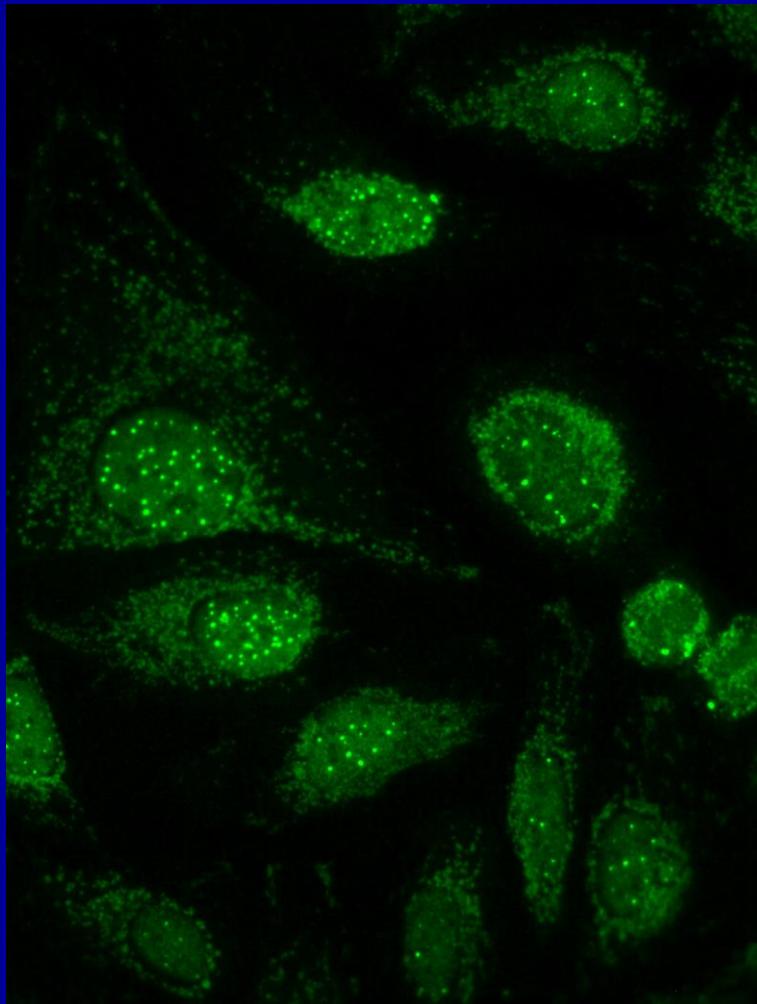


ANTI-CHROMOSOMES
MITOTIQUES

ANTICORPS ANTI-NUCLEAIRES

DOTS NUCLEAIRES
Sp100

MEMBRANAIRES
gp210



•IDIOPATHIC INFLAMMATORY MYOSITIS

DERMATOMYOSITIS

Juvenil Form

Adult Form

Cancer Associated

Amyopathic

Mi2,NXP2

Mi2,SAE

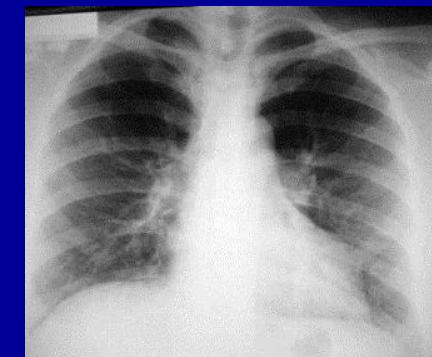
Tif1 γ ,

MDA5



ANTI-SYNTHETHASE SYNDRO.

JO1,PL7,PL12,EJ,
OJ,KS,Zo,YRS



INCLUSION BODY MYOSITIS

Mup44

NECROTIZING MYOSITIS

SRP,HMGCR



Identification of tissue transglutaminase as the autoantigen of celiac disease

WALBURGA DIETERICH¹, TOBIAS EHNIS¹, MICHAEL BAUER¹, PETER DONNER, UMBERTO VOLTA,
ERNST OTTO RIECKEN¹ & DETLEF SCHUPPAN¹



CTOBER 18, 1997 14:03 LAB SCHUPPAN FAX:030 84454017 PAGE 02

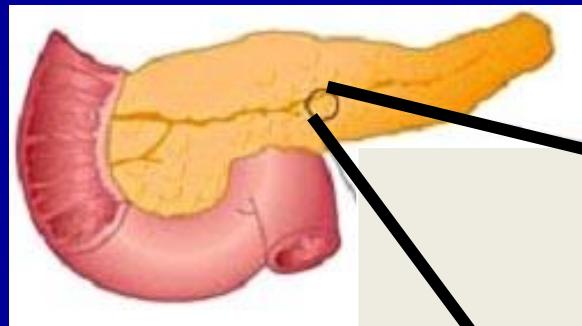
ELISA for detection of IgA / IgG against tissue transglutaminase

reagents:

tissue transglutaminase EC 2.3.2.12: guinea pig liver, Sigma T-5398; 2 u /500 µl
Peroxidase-conjugated AffiniPure rabbit anti-human serum IgA, α -chain specific: dianova 309-035-011 (0,8 mg/ml)
Peroxidase-conjugated AffiniPure rabbit anti-human serum IgG (H+L): dianova 309-035-003 (0,8 mg/ml)
 α -phenylenediamine-dihydrochloride: Sigma P-1526
 H_2O_2 : Perhydrol 30 % Merck 1.07209.0250

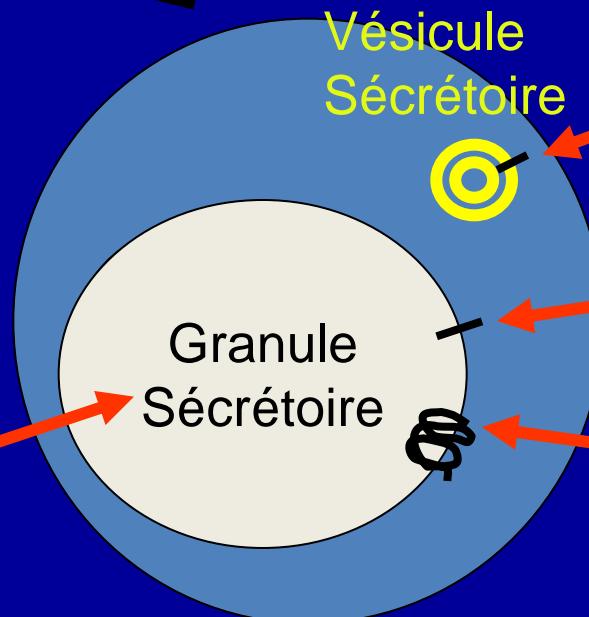
AUTOANTICORPS DANS LE DIABETE ID

ICA IF 1974



CELLULE β

Insuline 1983



GAD65 1990

IA2 1995

ZnT8 2007

Review Article

Anti-cytokine autoantibodies in autoimmune diseases

Giuseppe Cappellano^{1,2}, Elisabetta Orilieri^{1,2}, Abiy D Woldetsadik^{1,2}, Elena Boggio^{1,2}, Maria F Soluri^{1,2}, Cristoforo Comi^{1,3}, Daniele Sblattero^{1,2}, Annalisa Chiocchetti^{1,2}, Umberto Dianzani^{1,2}

¹Interdisciplinary Research Center of Autoimmune Diseases (IRCAD), ²Department of Health Sciences, ³Department of Translational Medicine, "A. Avogadro" University of Eastern Piedmont, Novara, Italy

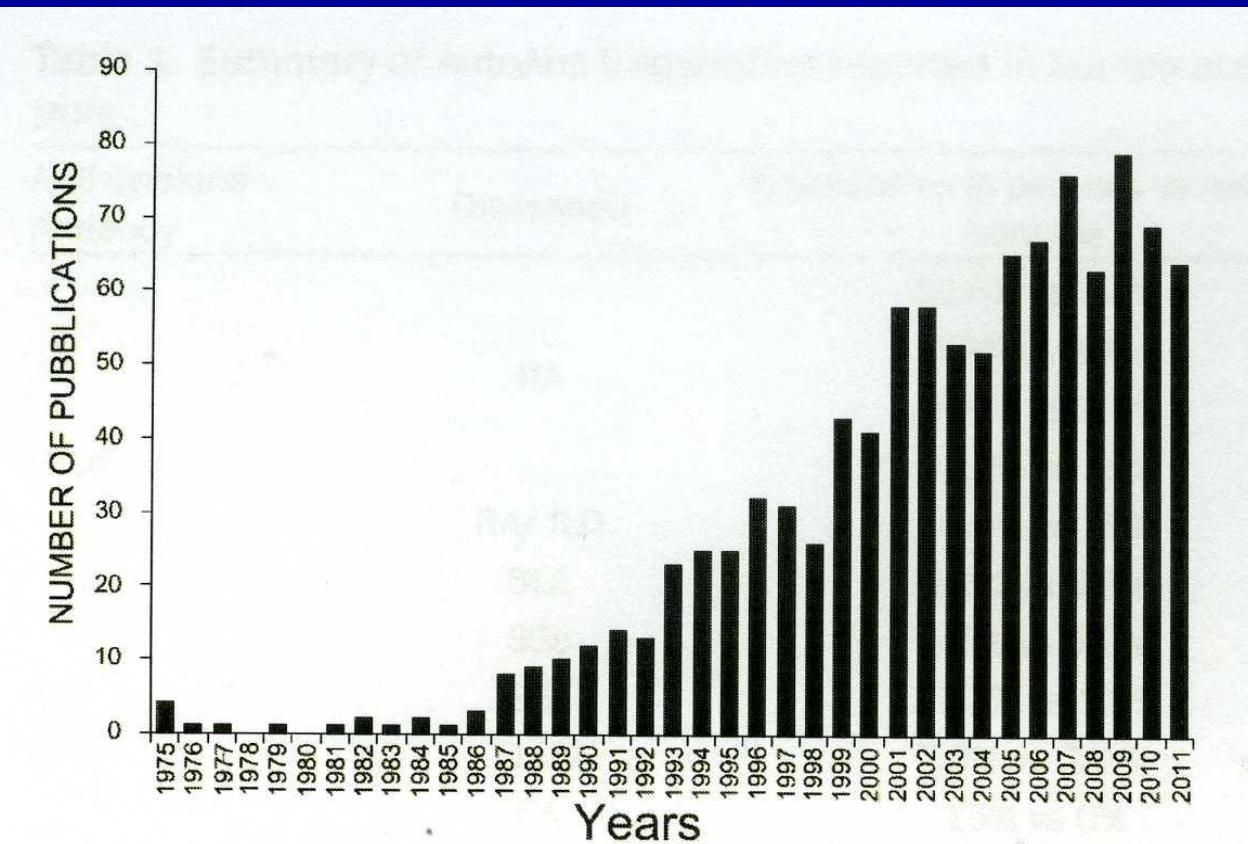
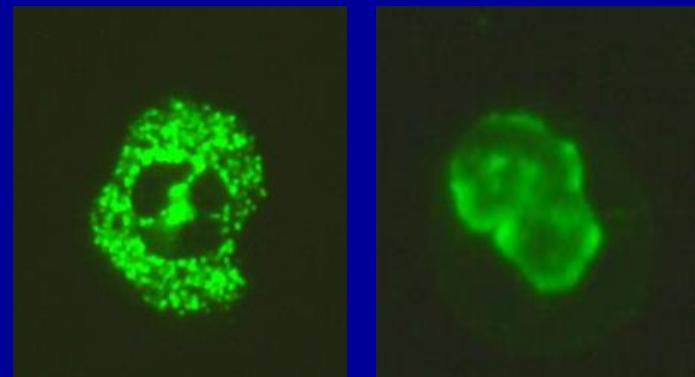


Figure 1. Number of publications focused on AutoAbs against cytokines between 1975 and 2011 (<http://www.ncbi.nlm.nih.gov/pubmed/>).

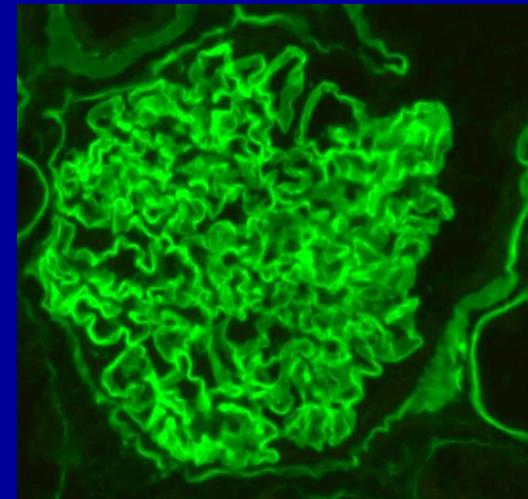
AUTOANTICORPS EN URGENCE



ANCA



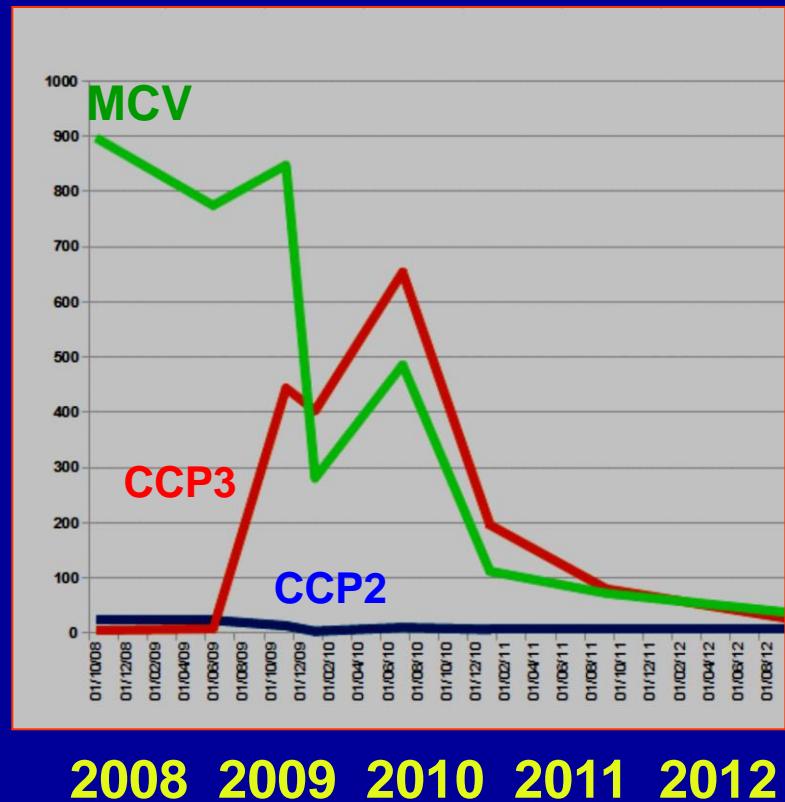
ANTI-MBG



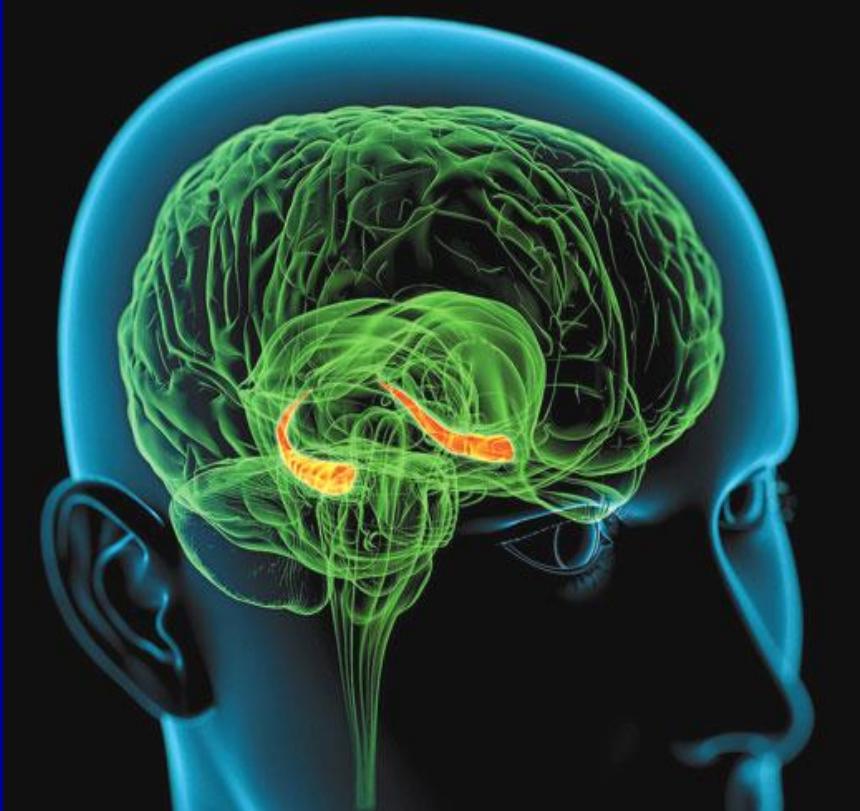
ACPA

ANTI CITRULLINATED PROTEINS ANTIBODIES

CCP2	CCP3	MCV
393	90	22
7	440	775
280	385	14
30	65	485
32	165	22



ANTICORPS ANTI-NEURONAUX



Y
Hu
GAD
VGCC
Ri
VGKC
CV2
AMPHI
Tr (DNER)
Ma/Ta
mGluR1
PCA-2
Gephyrin
ANNA-3
Zic

SOX
BRSK2
GluR2 δ
PKCY
HOMER 3
AK5
NMDAR
GlycinR
Caspr2
AMPAR
GABA B R
ARMGAP26
Lgi1
mGluR5
DPPX
GABA A R

AUTOANTICORPS ANTI-GANGLION DE BASE



ANTICORPS

CHOREE

TICS

Trouble Obsessionnel Compulsif

Maladie de Gilles de la Tourette

PANDAS

Lysoganglioside GM1

Pyruvate Kinase M

Aldolase C

Neuron Specific Enolase

CaMKinase II

Tubulin

Recepteur Dopamine D1/D



moleculera labs



Cunningham Panel

There are a series of five (5) assays in the Cunningham Panel. Four of these clinical assays or tests include enzyme-linked immunosorbent assays (ELISAs) to measure antibody titers against four neuronal antigens present in the brain; the neuronal antigens include:

1. lysoganglioside
2. tubulin
3. dopamine receptor D1
4. dopamine receptor D2

A fifth assay is used to quantify calcium/calmodulin-dependent protein kinase activity using a neuronal cell line to test for functional signaling antibodies against human neuronal cells. In the case of each analysis, the measured amounts from the assays are compared to normal control

Price of PANDAS test

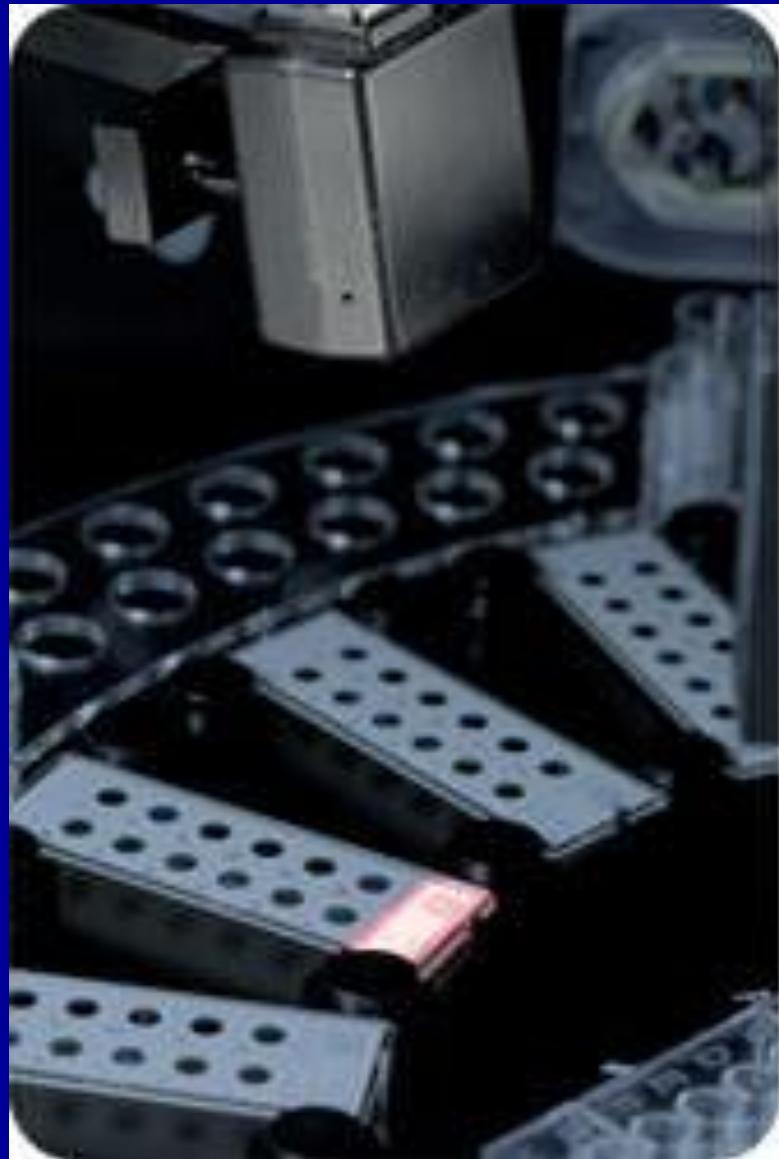
Wieslab charges **USD 925 / EUR 708** for the PANDAS test which is the same price that Moleculera charges their North American customers. We will invoice the person specified under "billing information" on the request form. This is done after the test result has been submitted. Payment details: *Bank: Svenska Handelsbanken Frihem, Swift Code: HANDSESS, IBAN: SE52 6000 0000 0007 4146 0912.* If payments are not received we will have to revise our policies.

IMMUNOFLUORESCENCE

' L'œil ne se rassasie pas de voir '

AUTOMATISATION

PREPARATION DES LAMES

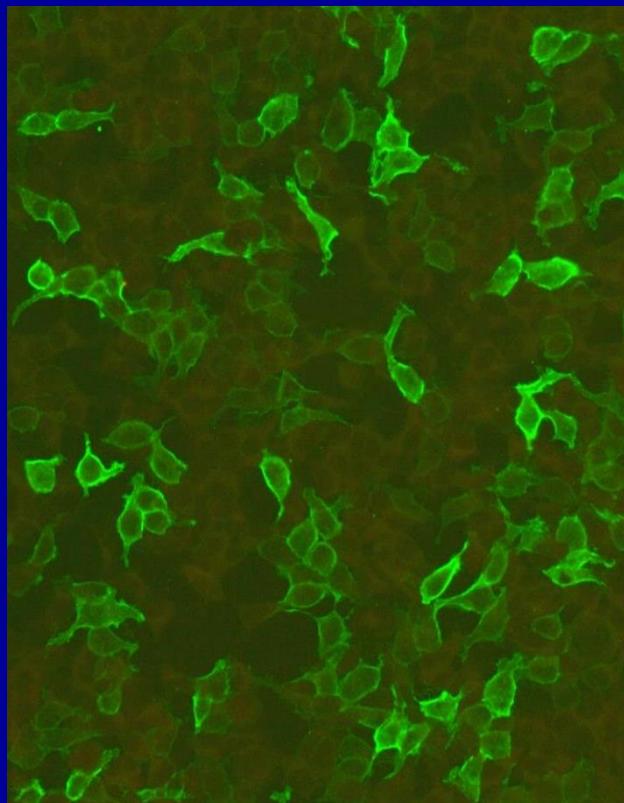


LECTURE DES LAMES



CELLULES TRANSFECTEES

ANTIGENES SPECIFIQUES D'ORGANES



Pancréas CUZD1 , GP2

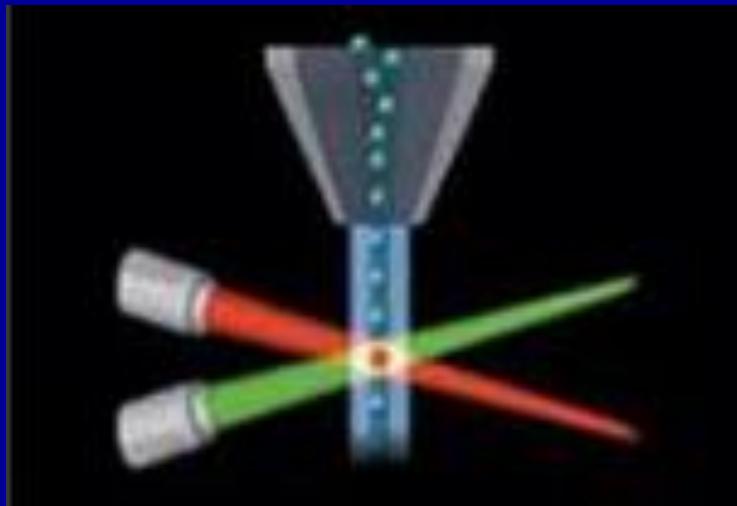
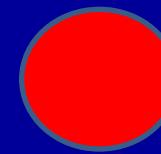
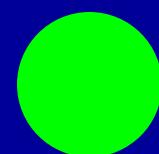
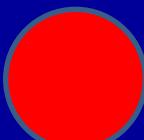
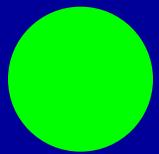
Peau Dsg1/3, BP180/230,Collag.VII

Rein PLA2R

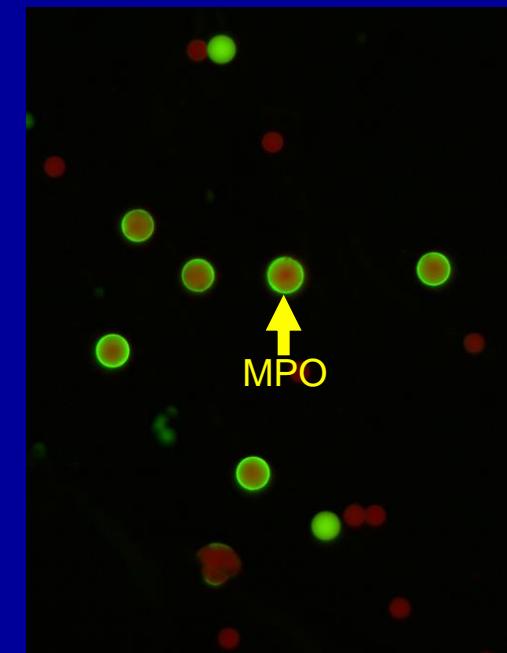
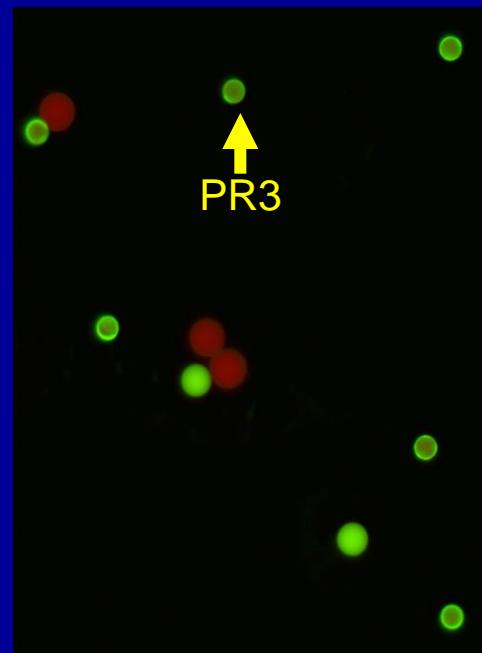
Foie SLA

Cerveau GluNMDAR,GluAMPR,Lgi1,Caspr2,
GAD65,AQP4,DNER,DPPX

MICROBEADS TECHNOLOGY



FLOW CYTOMETRY



MICROSCOPIC IIF

Your platform

Prevalence of autoimmune diseases is increasing. This puts pressure on health-care services to make accurate diagnoses in a cost and time-efficient manner, based on test results with high clinical value.

Working with EliA™ autoimmunity assays allows you to run tests with excellent accuracy and high clinical usefulness in routine clinical practice. EliA assays are processed on the fully automated Phadia® Laboratory Systems and help to increase your efficiency. Furthermore, you are supported by dedicated specialists, helping you to make a difference in autoimmunity diagnostics.

for diagnostic success



QUANTAPLEX FIDIS BIOPLEX
QUANTAFLASH MULTI-LYTE LIAISON
UNICAP ALEGRIA BLUEDIVER AMIDOT





BON COLLOQUE

*RL Humbel, Joelle Goetz,, Alain Chevailer, Catherine Johonet,
Pascale Chretien, Sophie Deplat-Jego, Sylvain Dubucquoi,
Nicole Fabien, Françoise Fortenfant, Sophie Hue, Daniela Lakomi,
Nils O.Olsson, Jean Sibilia, Thierry Vincent, Isabel Abreu, Xavier Bossuyt*