

ANTI-HMGCR ET STATINES

HISTORIQUE

René Louis HUMBEL



GEAI, 21 Mars 2013



ARTHRITIS & RHEUMATISM

Vol. 62, No. 9, September 2010, pp 2757–2766

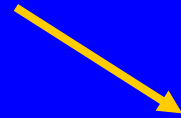
DOI 10.1002/art.27572

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A Novel Autoantibody Recognizing 200-kd and 100-kd Proteins Is Associated With an Immune-Mediated Necrotizing Myopathy

Lisa Christopher-Stine, Livia A. Casciola-Rosen, Grace Hong, Tae Chung, Andrea M. Corse, and Andrew L. Mammen

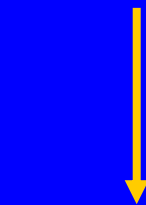
**225 Patients
MYOPATHIE**



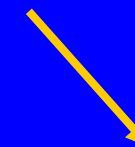
**35 Patients
Biopsie Musculaire
Nécrose Myofibres**



**16 Patients
Anti-100/200 kD**



**12 Patients
ANA Divers**



**10 Patients
sous Statines**

**CPK ++
Bonne Réponse Immunosuppresseurs**

ARTHRITIS & RHEUMATISM

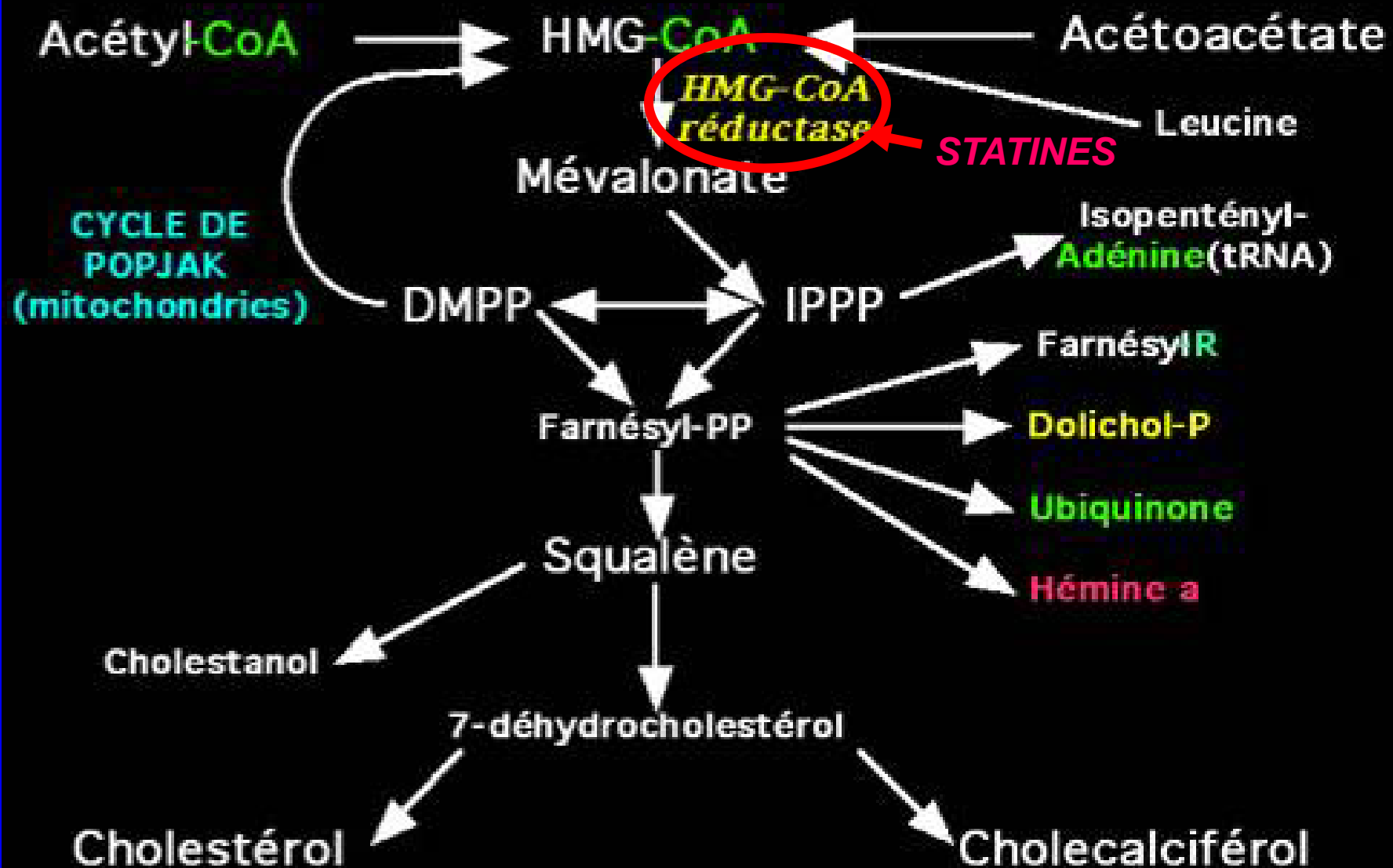
Vol. 63, No. 3, March 2011, pp 713–721



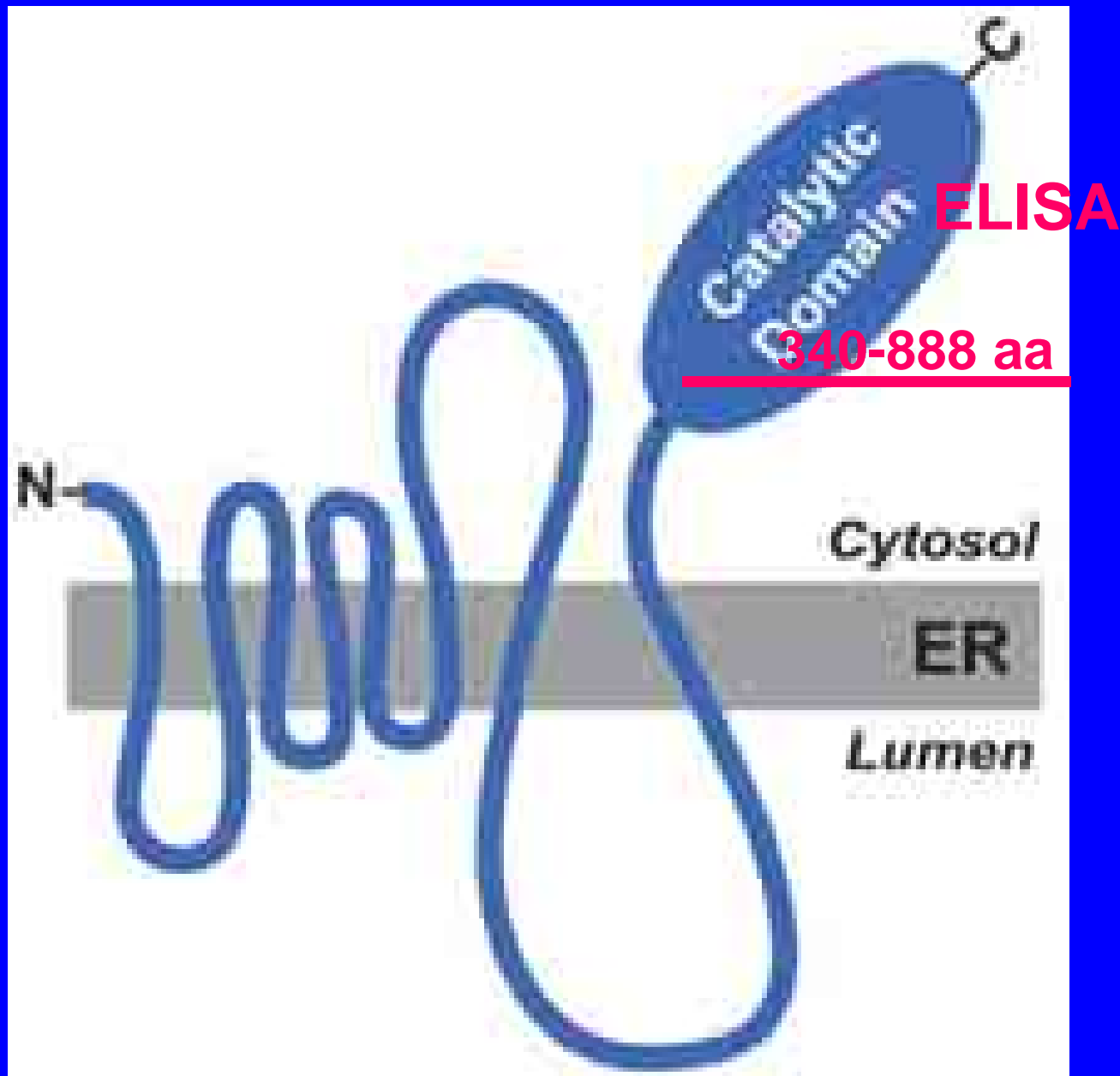
Autoantibodies Against 3-Hydroxy-3-Methylglutaryl-Coenzyme A
Reductase in Patients With Statin-Associated
Autoimmune Myopathy

Andrew L. Mammen, Tae Chung, Lisa Christopher-Stine, Paul Rosen,
Antony Rosen, Kimberly R. Doering, and Livia A. Casciola-Rosen

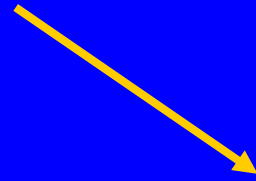
ANTI - HMGCoA



HMG CoA REDUCTASE

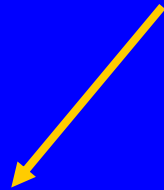


**750 Patients
Atteintes Musculaires**

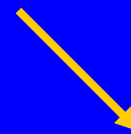


**45 Patients
Anti- HMGCR**

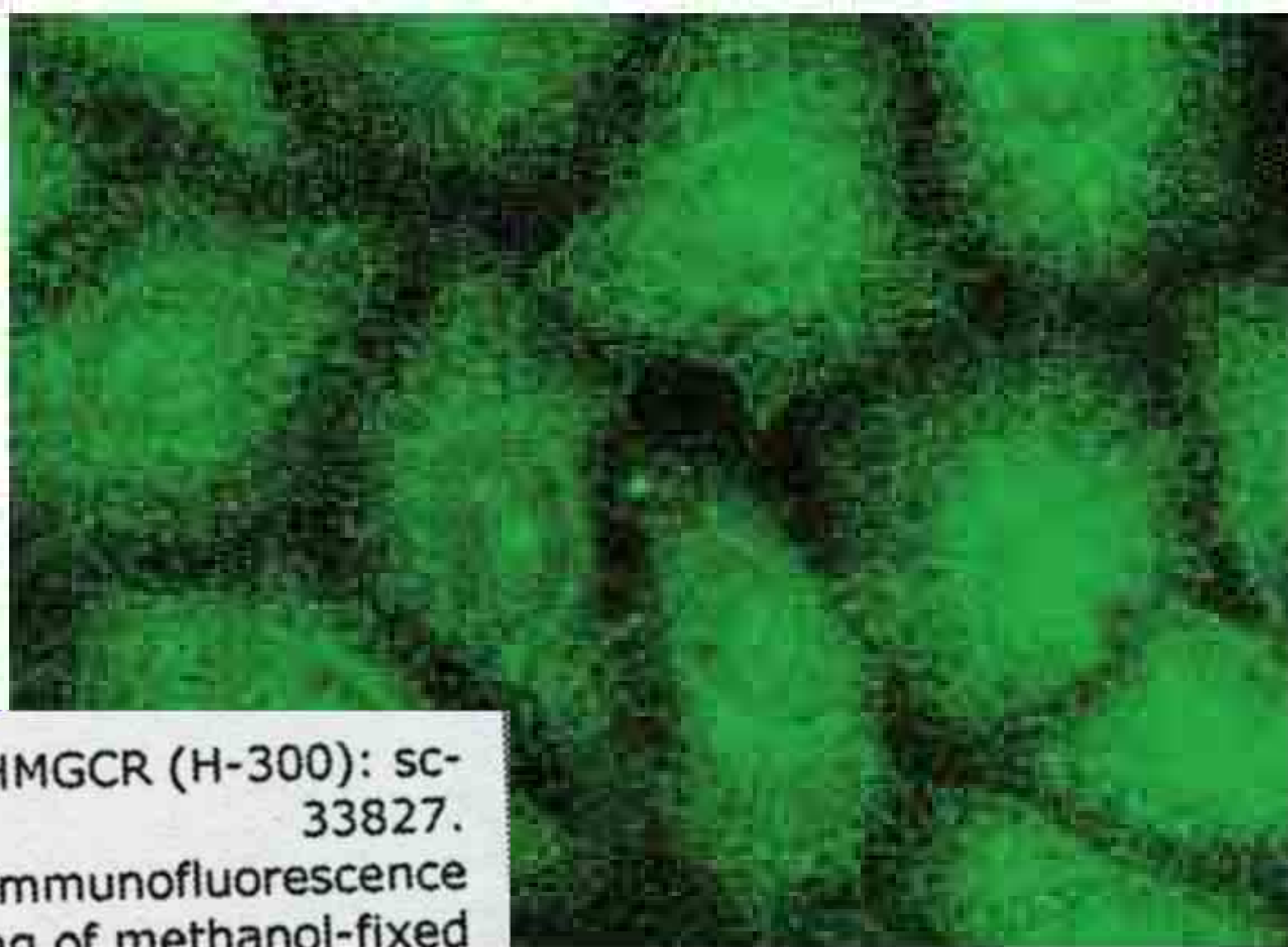
1 JO1
1 PMSCI



**Biopsie Musculaire
Surexpression HMGCR**



**15 Patients
PAS DE STATINES !!**



HMGCR (H-300): sc-
33827.

Immunofluorescence
staining of methanol-fixed
HeLa cells showing
cytoplasmic and
membrane localization.

Arthritis Care Res (Hoboken). 2012 February ; 64(2): 269–272. doi:10.1002/acr.20662.

Anti-HMG-CoA reductase antibodies are rare in statin users, including those with self-limited musculoskeletal side-effects

Andrew L. Mammen, MD, PhD, Katherine Pak, MD, Emma K. Williams, MHS, Diane Brisson, PhD, CCRP, Joe Coresh, MD, PhD, Elizabeth Selvin, PhD, MPH*, and Daniel Gaudet, MD, PhD*

Departments of Neurology (A.L.M., K.P.) and Medicine (A.L.M., E.S.), Johns Hopkins University School of Medicine; Department of Epidemiology (E.K.W, E.S., J.C.), and the Welch Center for Prevention, Epidemiology, and Clinical Research (E.S., J.C.). Johns Hopkins Bloomberg School

1966 Patients
763 Sous Statines
322 Autres Hypochol.
- 51 myopathie ?

Patients : 0
Anti- HMGCR

Significance and Innovation

1. Anti-HMGCR antibodies are not found in the vast majority of statin-treated subjects, including those with self-limited statin-associated myopathy.
2. The presence of anti-HMGCR antibodies is highly specific for subjects with an autoimmune myopathy requiring immunosuppression.

LES ANTI-HMGCR SONT SPECIFIQUES DE LA MYOPATHIE AUTOIMMUNE

Très bonne réponse aux Immunosuppresseurs

PREVALENCE DES MYOPATHIES AUTOIMMUNES 22 pour 100.000

DONT MOINS DE 10% SONT ANTI-HMGCR

PREVALENCE : 1 sur 100.000 MYOPATHIES