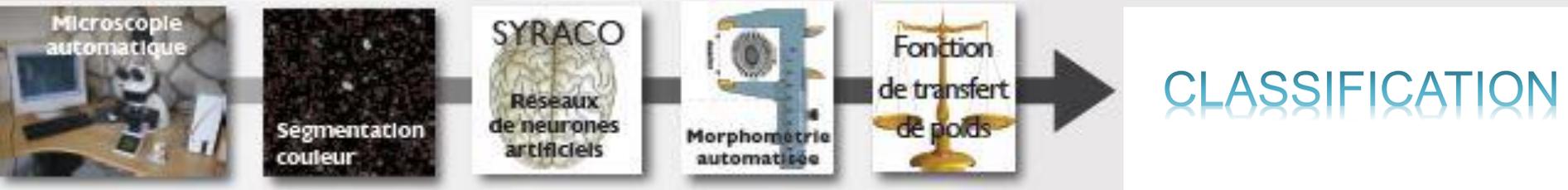


# La reconnaissance automatisée des nanofossiles calcaires

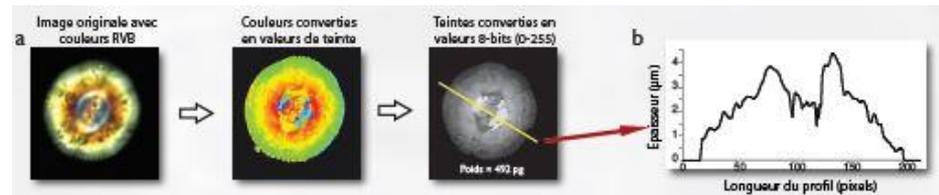
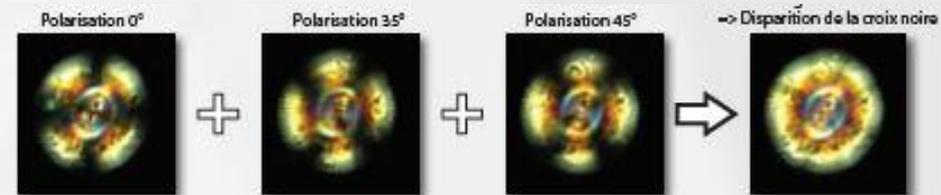
Y. Gally, L. Beaufort

## 1. INTRODUCTION



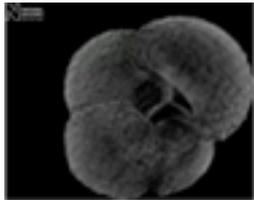
## 2. DEVELOPPEMENTS

- Traitements des images d'objets biréfringents
- Biométrie (grand & petit axe, ellipticité ...)
- Estimation de la masse (Utilisation de l'échelle des teintes de la charte de biréfringence de Michel-Lévy)



# Tri automatique des microfossiles calcaires

Y. Gally, T. de Garidel, R. Marchant



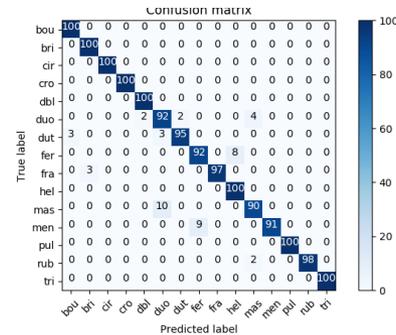
**Foraminifères** (microzooplancton calcaire) : principaux indicateurs en paléoclimatologie témoins et acteurs du changement climatique



Sédiment (100-1000µm)

↓  
Tri mécanique

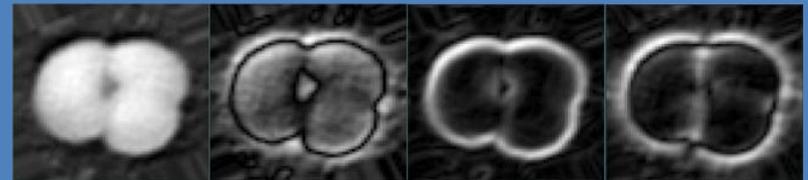
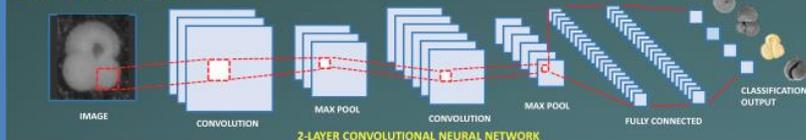
↓  
Imagerie pseudo-3D  
mono-specimen



Réseau de neurone convolutionnel

Morphométrie

Classification



↓  
Extraction mono-specimen