













Sébastien Tessier signs his comic books under the pseudonum DAMOUR.

his mother's maiden name. Born in La Roche-sur-Yon in 1972, a passionate amateur of drawing, he came to study plastic arts in 1990 in Bordeaux where he still resides. He decided to live from his passion for comics and met Delcourt Editions at the Angoulême fair in 1994. This was the beginning of a long collaboration with the scriptwriter Jean-Pierre Pécau on the series Nash and Le Testament du Docteur M. He has produced 28 albums to date, with various scriptwriters and illustrators, including the series Pinkerton, La Cagoule, un Fascisme à la française at Glénat, as well as two historical albums, Kennedy with Sylvain Runberg as scriptwriter and L'Etincelle de Saint-Sardos, of which he is the author, at Sud-Ouest editions. He is passionate about history and has been working on historical projects for several years.

Kankr, whose real name is Simon Baert, is an author. He is the scriptwriter of the duo Plop & Kankr, formed with the cartoonist Julie Besombes, alias Plop. Together, they regularly publish in regional, national, and international press (Le Monde, Simé Mensuel, Le Temps, Sud Ouest dimanche, Le Sans-culotte 85, L'Anjou Laïque, La Galipote, La Gazette du Béarn des gaves...) and on television (Une semaine dans le monde on France 24). They are members of the Cartooning for Peace and Cartoon Movement networks. He also scripts scientific popular comics for the University of Pau and the Pays de l'Adour within the framework of the Science with, and for Society label.

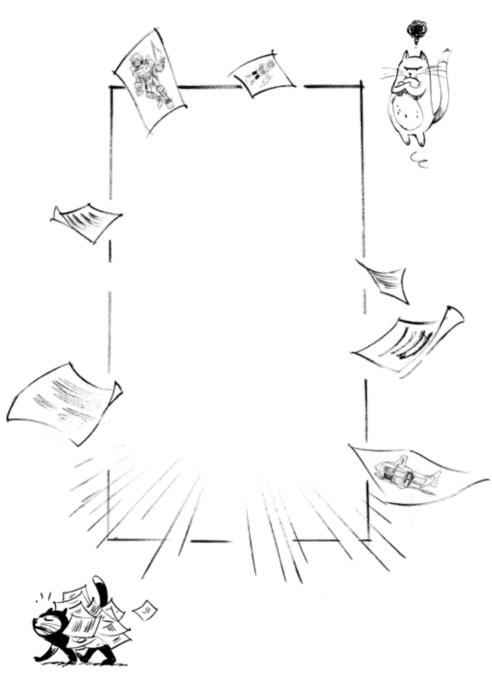




Plop, whose real name is Julie Besombes, is a press cartoonist, illustrator and graphic designer. Together with KanKr, she forms the duo Plop & KanKr, who publish in the regional, national and international press (Le Monde, Siné Mensuel, Le Temps, Sud Ouest dimanche, Le Sans-culotte 85, L'Anjou, Laïque, La Galipote...) and for television (Une semaine dans le monde on France 24). She also produces press cartoons and popular science cartoons for the University of Pau and the Pays de l'Adour as part of the Science with and for Society label Science avec et pour la société.

Thomas Ferreira is editor and graphic designer at Presses universitaires de Pau et des pays de l'Adour (PUPPA). In particular, he helped to create the comic strip magazine Ebullition(s), for which he is artistic director. for which he is artistic director. He is also an illustrator and graphic designer under the name Atelier Decafé.





10 years,

already 10 years since the idea of replacing oxygen with oxygen was born between the partners from the Universities of Oviedo, Pau and the Adour Region, and TotalEnergies...

Initially, it took some convincing to obtain initial funding and to complete the proof of concept that led to the patent.¹ Then, through the study of combustion mechanisms, it became clear that this instrument had so many exciting possibilities: a novel and single detection approach that enables sensitive, accurate and compound-independent quantification of the carbon, hydrogen (and therefore the C/H ratio!), sulphur², nitrogen³, and finally oxygen⁴ contained in the target molecules.

Over the last four years, with the patent licensed to Shimadzu, development has accelerated, and we are now able to present the ELEM-SPOT instrument, which will revolutionize elemental detection in gas chromatography.

Analytical Chemistry, 2023, 95 (31) pp 11761-11768 DOI: 10.1021/acs.analchem.3c01943.

García-Bellido J., Redondo-Velasco M., Freije-Carrelo L., Moldovan M., Bouyssiere B., Giusti P., Ruiz Encinar J., Submitted.

^{1 -} Method for detecting and quantifying oxygen in oxidizable compounds 2016-12-14 (PCT/EP2016/080892) - W02017/114654 - 2015-12-29 EP 15382670.6, 29th december 2015 Total Raffinage Chimie, FR / Universidad de Oviedo, E5 / Université de Pau et des Pays de l'Adour, FR / CNRS, FR GIUSTI Pierre FR / RUIZ ENCINAR Jorde E5 / MOLDOVAN Mariella E5 / BOUYSGIERE Brice FR

^{2 -} Quantitative multiplexed elemental (C, H, N and S) detection in complex mixtures using gas chromatography, Freije-Carrelo L., García-Bellido J., Alonso Sobrado L., Moldovan M., Bouyssiere B., Giusti P., Ruiz Encinar J., Chemical Communications, 2020, 56 (19), pp. 2905-2908. DOI: 10.1039/c9cc09842a.

^{3 -} Potential of GC-Combustion-MS as a Powerful and Versatile Nitrogen-Selective Detector i n Gas Chromatography,

Garcia-Bellido J., Freije Carrelo L., Redondo-Velasco M., Piparo M., Zoccali M., Mondello L., Moldovan M., Bouyssiere B., Giusti P., Ruiz Encinar J.,

^{4 -} Sensitive detection and quantification of Oxygenated Compounds in complex samples using 6C-combustion-MS









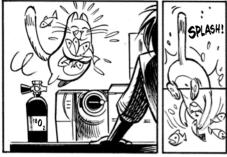






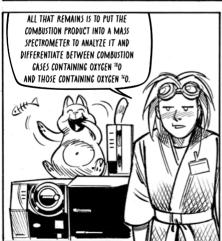












WELL, THAT'S IT... DID YOU GET IT ? THANKS TO MY MACHINE, WE'LL BE ABLE TO QUANTIFY THE OXYGEN IN A MOLECULE BY ANALYZING THE COMBUSTION GAS. THIS WILL MAKE IT POSSIBLE TO DETECT AND QUANTIFY OXYGEN-CONTAINING MOLECULES. SOMETHING WE COULDN'T DO BEFORE...













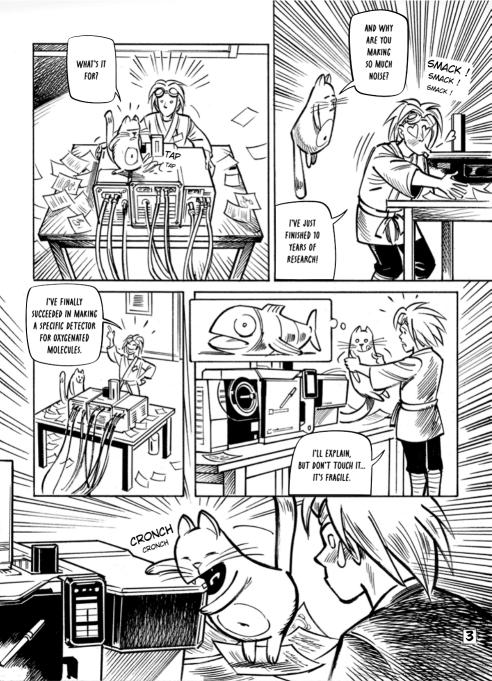




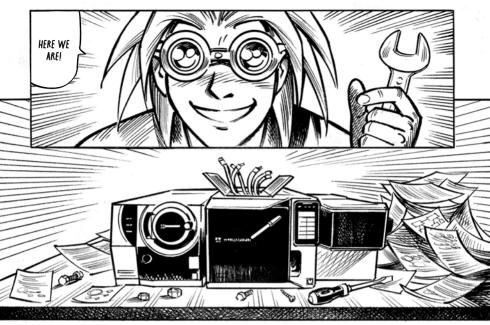


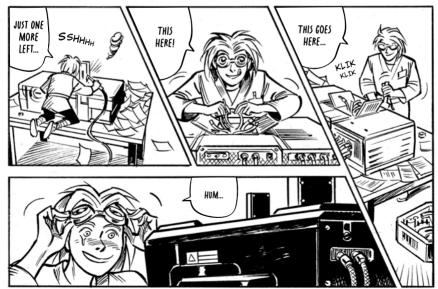














Brice Bouyssiere is a professor of analytical chemistry at the institute of analytical sciences and physical chemistry for environment and materials (University of Pau and Adour Countries / CNRS), his research focuses on the characterization of complex matrices and development of hyphenated techniques between separation device and detection techniques. He is also Vice President Science with and for the society and open science at UPPA and co-founder and co-director of the iCZMC joint laboratory.

Jorge Ruiz Encinar is Professor of Analytical Chemistry at the University of Oviedo in the north of Spain where he is co-director of the Analytical and Bioanalytical Spectrometry Group (GEAB). His research focuses on the development of instrumental approaches based on mass spectrometry and chromatography for the characterization and quantification of organic compounds, biomolecules and nanomaterials in energy, clinical and environmental applications.





Pierre Giusti is a PhD in analytical chemistry, head of the TRTG separation and molecular identification service at TotalEnergies and Director of Research at the CNRS, he is co-founder and director of the iC2MC joint laboratory. He is interested in the molecular characterization of complex matrices in the field of energy and its decarbonation. He is a specialist in analytical sciences for TotalEnergies.

Mariella Moldovan is an Associate Professor in analytical chemistry at the University of Oviedo. Her research focuses on the use of mass spectrometry as a detector for the absolute quantification of organic compounds without the use of specific standards in complex environmental and industrial applications.





Revolution!

SCRIPT : KANKR DRAWING : DAMOUR