





Hétérogénéité, Plasticité et Résistance aux Thérapies des Cancers

Cancer Heterogeneity, Plasticity and Resistance to Therapies

March - April - May 2020, # 3

Editorial

Here is the 3rd letter which takes into account the remarks made via the questionnaire concerning the letter *Trait d'union*.

Ten people, which is not many, took a few minutes to fill out the form. The three sites are represented (FST: 1; IBL: 3, CHU: 6) as well as all categories (3 Teacher-researchers, 1 Researcher, 2 Engineers, 1 Technician, 2 Administrative staff, 1 Doctoral student).

Opinion is largely favorable for each point raised. Criticisms sometimes contradict each other; they mainly concern the layout, the choice of font ...

The request to focus on a team's theme or on collaborations is incompatible with a quarterly publication. This remark shows us that it is necessary to start a monthly scientific Canther Newsletter.

The content of this newsletter is currently being studied by the *Animation* group. The *Animation* group must also be reinforced, because three people is not enough to take care of all the animations. We are therefore calling for applicants.

We are also calling for candidates for the Unit Council, an obligatory and regulatory entity in the life of a unit, which will be elected on April 9^{th} (see *Internal Relations* section).

Isabelle VAN SEUNINGEN Laboratory Director

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You can transmit your comments, suggestions to: marie-paule.ducourouble@inserm.fr



Organization - Administration

Since the beginning of January, our administrative secretary is being set up. You can reach them by phone, e-mail or by appointment.

Véronique LABBÉ

is present at Cancer every afternoon.

veronique.labbe@inserm.fr, 03 59 50 75 69

Bruno LESAGE

bruno.lesage@ inserm.fr, 03 59 50 75 63

Delphine TAILLIEU

delphine.taillieu@inserm.fr, 03 59 50 75 68

This small group has been extremely busy since January to respond to the various administrative requests from the main supervisory authorities: the formalization of signature delegations, the opening of computer accounts allowing access to management softwares from CNRS, Inserm or ULille, establishment of site conventions, the drawing up of site agreements, the procedure for new entrants, the interior rules ...

Next to our director, Isabelle VAN SEUNINGEN, two assistant directors have been appointed by the CoDir for the IBL and FST sites: Corinne ABBADIE and Xuefen LE BOURHIS, respectively.

Thus, in the absence of the director, the assistant directors have delegated signing authority for their sites.

On January 23rd, the Psst! Group, constituted by Canther's Prevention Assistants (Anne-Claire FLOURENS, Belinda DUCHÊNE, Christine BAL, Cynthia VAN DER HAUWAERT, Hassiba BOUAFIA, Marie-Paule DUCOUROUBLE, Pauline PEYROUZE, Robert- Alain TOILLON) as well as Chantal HAVET (Health and Safety Coordinator - IBL), Nathalie JOUY (Prevention Assistant - IRCL) and guardianship prevention advisors (Cédric VAUTHEROT, CNRS; Marlyse BUYEL, Inserm; Thomas BEQUEREL, ULille), met for the first time under the direction of Delphine TAILLIEU, in charge of Prevention in order to establish an initial assessment.



Change your Inserm password

before April 05

A Sentence

at least12 characters



Finance

In this section, we return to the different purchasing procedures according to the tools at our disposal.

Any expenditure on supplies or services involves verifying whether or not there is a contract which covers the need. The three main managing authorities have their own procedures.

For consumables, products and reagents, small equipment, CNRS and Inserm are members of the Scientific Universal Purchasing Group (GAUSS), a procedure carried by the Central Public Purchasing Agency (UGAP). This is not the case for ULille, which has developed its own EasyLab competition software, a reference database provided by service providers selected following a contract.

Via EasyLab, you have to fill a shopping cart by choosing from the prduct database. Then, the products are distributed according to the suppliers into basket. If the basket or the selected product is the lowest, simply print and send (i) the Competition Document (DOCMEC) along with (ii) the quote to validate the purchase order. If the choice is other, an argument must be provided online before the printing of DOCMEC.

Via GAUSS, the order process is dematerialized. The management software, GesLab or SAFIr, allows access to the electronic catalogue (punch-out) and the creation

of a basket, which is then used to establish an order form sent to UGAP which is in charge of sending it to the supplier.

At Inserm, the e-procurement procedure is identical for office consumables at *Fiducial Office Solutions* and for ink cartridges at *OfficeXpress*.

For equipment and large material, the UGAP base (excluding GAUSS) is recommended; an estimate can be made online; with your help, our manager Bruno LE-SAGE can establish it (03 59 50 75 63, bruno.lesage@inserm.fr).

For animals, CNRS does not have a specific market whereas Inserm and ULille use the Achanimaux competition software (note:each structure has its own version due to the market identification num-

ber). The applicant must choose the packaging corresponding to the animal reception area. A printout of the quote (copy of the tool) is necessary to validate the purchase order.

For any request not included in these bases, a call for competition is desirable. If you plan an important purchase of the same product, punctually or spread over the year charged to the same Nacres code, contact Bruno LESAGE to establish the best purchasing procedure.



Internal Relations

Any new structure is required to have **internal regulations** validated by the national authorities. The text for Canther UMR will be based on the basic text of CNRS. It is currently being drafted and edited by Véronique LABBÉ assisted by Delphine TAILLIEU and will be sent out at the beginning of April for approval at a General Assembly in April-May.

The rule imposes the organization of a **Unit Council** (Laboratory Council), a **consultative body** that regulates the life of the structure through exchanges between staff representatives. It must meet at least **three times a year**.

CoDir has decided on the representation of all the staff in each of the three polls that will constitute the Unit Council. In addition to the **ex-officio members** who are the Laboratory Director, the **team leaders** and the **General Secretary**, 18 staff representatives are added (9 elected and 9 appointed).

Researchers Researchers Teachers

3 elected officials
3 appointed by CoDir

(presence of one representative per site) (presence of one representative per site)

Engineers Technicians Administrative staff

3 elected officials 3 appointed by CoDir PhD Post-docs

3 elected officials
3 appointed by CoDir
resence of one representative per site

As of now, you can apply at the following address

Véronique LABBÉ (veronique.labbe@inserm.fr

Elections will be held at three sites: Hospital, Pasteur, Faculty of Sciences

Mailing lists are at your disposal to communicate:

All members and the secretary of IRCL Administrative team

Prevention assistant team

Target team
Senfib team

Fibrosis group of Senfib team

Mucins team
Leukemia team
Plasticity team

psst target senfib fibrose mucines

mucines leukemia plasticite







External Relations

Since January 1st, the ONCOLille institute, which gathers six structures from five components, is continuing and finalizing its organization. Thus, an Animation group has been set up:

Canther: Albin POURTIER, Alexis CORTOT,

Audrey VINCENT, Chann LAGADEC,

Florence RENAUD, Isabelle VAN SEUNINGEN,

Véronique LABBÉ.

Phycel: Dimitra GKIKA, Lionel POULIN.

OncoThAI: Anne-Sophie VIGNION, Laurent MORTIER,

Olivier MORALES.

SMMiL-E: Deniz PEKIN, Vincent SENEZ.

SCALab: Delphine GRYNBERG. **LEM**: Nicolas DEBARSY. **Painlevé**: Sophie DABO.

Biology

UMR Canther Cancer Heterogeneity, plasticity & resistance to therapies (UMR9020 CNRS - UMR1277 Inserm, Head: Isabelle VAN SEUNINGEN)

UMR Phycel Ion Channels, Inflammation & Cancer (UMR1003 Inserm, Head: Natalia PREVARSKAYA).

Health Technologies & Biology

UMR OncoThAI Lasers assisted Therapies and Immunotherapies for Oncology (UMR1189 Inserm, Head: Serge MORDON).

Microtechnologies

LIMMS Laboratory (UMI2820 CNRS - Univ. Tokyo). **SMMiL-E Projet** *BioMEMS* & Cancer (Head: Cagatay TARHAN and Dominique COLLARD).

Humanities and Social Sciences

SCALab Laboratory (UMR9193 CNRS).

Emotion Regulation & Cancer Team (Head: Delphine GRYNBERG and Véronique CHRISTOPHE)

Mathematics - Economics

Lille Economics Management Laboratory (LEM, UMR9221 CNRS) and Paul Painlevé Laboratory (UMR8524 CNRS).

Mathematical Models & Cancer Team (Head: Sophie DA-BO and Nicolas DEBARSY).



Logistics - Equipment

Depending on the site, there may be a difference between (i) the geographical address (1) that allows the location of the building, (ii) the postal address (1) depending on the space where the mail is delivered by the Post Office and (iii) the delivery address (1).







Team IVS Team CA

UMR Canther UMR9020 CNRS - UMR1277 Inserm Bâtiment Cancer

Rue Michel Polonovski

LILLE

GPS Coordinates Latitude 50°36'44.374''N (50.612 326) Longitude 3°2'7.429''E (3.035 397) Canther / CHU

UMR Canther
UMR9020 CNRS - UMR1277 Inserm
Bâtiment Cancer
Place de Verdun
59045 LILLE CEDEX

UMR Canther
UMR9020 CNRS - UMR1277 Inserm
Institut pour la Recherche sur le Cancer de Lille
IRCL - **Bâtiment Cancer**bd du Prof. Jules Leclercq
LILLE

eam BQ eam XLI

UMR Canther

UMR9020 CNRS - UMR1277 Inserm

Institut pour la Recherche sur le Cancer de Lille (IRCL)

bd du Prof. Jules Leclercq

LILLE

GPS Coordinates

Latitude 50°36'45.634"N (50.612 676) Longitude 3°2'5.942"E (3.034 984) UMR Canther
UMR9020 CNRS - UMR1277 Inserm
IRCL

Place de Verdun 59045 LILLE CEDEX UMR Canther
UMR9020 CNRS - UMR1277 Inserm
Institut pour la Recherche sur le Cancer de Lille
(IRCL)
bd du Prof. Jules Leclercq

LILLE





Canther / Pasteur

eam CA eam DT

UMR Canther
UMR9020 CNRS - UMR1277 Inserm
Institut de Biologie de Lille (IBL)
1 rue du Professeur Calmette
LILLE GPS Coordi

GPS Coordinates Latitude 50°37'41,26"N (50.628 128) Longitude 3°4'29.308"E (3.074 808) UMR Canther
UMR9020 CNRS - UMR1277 Inserm
IBL
1 rue du Professeur Calmette
CS 50447

59021 LILLE CEDEX

Canther / FST

UMR Canther
UMR9020 CNRS - UMR1277 Inserm
Univ. de Lille
Faculté des Sciences et Technologies
Bâtiment SN3 – 3° étage
VILLENEUVE D'ASCQ GPS Coordinates

Latitude 50°36'29.3616"N (50.608 156) Longitude 3°8'41.6796"E (3.144 911) UMR Canther
UMR9020 CNRS - UMR1277 Inserm
Univ. de Lille
Faculté des Sciences et Technologies
Bâtiment SN3 - 3° étage
59655 VILLENEUVE D'ASCQ CEDEX

Quality

is a more subtle state of mind than definitions, norms and procedures, based on

emotions, sensitivity, subjectivity. It is sharing

a taste for work well done, a way of expressing oneself and working together to build something solid and sustainable. The Canther UMR is made up of five research teams of varying origins. This article refers to the Hospital site.

Paul BOULANGER, director of a CNRS team, created the first Inserm laboratory in the Nord-Pas-de-Calais region and in the provinces. From 1960 to 1977, he directed **U16**, first entitled *Protides of biological liquids*, then *Biochemistry of normal and pathological proteins*. Philippe ROUSSEL directed the structure from 1978 to 1988, then, Pierre-Marie DEGAND from 1989 to 1992. Then, Pierre-Marie DEGAND directed from 1994 to 2001 the **U377** Inserm *Biology and Physiopathology of mucus secreting Cells*. Jean-Pierre AUBERT took over from 2002 to 2005 by directing the **U560** Inserm *Epithelial Mucins: from gene to function*. Following his death, Nicole PORCHET was the director in 2006. In 2007, the structure intituled *Mucins*, epithelial differentiation and carcinogenesis, directed by Isabelle VAN SEUNINGEN, joined the group carrying out the project of a research centre directed by Pierre FORMSTECHER which became official in 2010 the **UM-R837** Inserm under the title *Jean-Pierre Aubert Research Centre (JPArc)*. From 2015 to 2019, JPArc became **UMR-S1172** Inserm directed by Luc BUÉE. In 2020, team *Mucins*, Cancer and *Drug Resistance* joined the new **UMR Canther** (UMR9020 CNRS - UMR1277 Inserm) Cancer Heterogeneity, *Plasticity and Resistance to Therapies* directed by Isabelle VAN SEUNINGEN.

Gérard BISERTE, researcher at the U16 and then at the IRCL, created and directed, from 1972 to 1984, the U124 Inserm Ultrastructures and Biochemistry of Normal and Cancerous Cells. The title evolved under the direction of Marie-Henriette LOUCHEUX: Gene Expression and Chemical Carcinogenesis from 1985 to 1991, then Molecular Oncohaematology from 1992 to 1995. From 1996 to 1998 Jean-Pierre KERCKAERT succeeded. He continued as part of U524 Inserm Molecular genetics and therapeutic approaches for malignant hemopathies from 1999 to 2005. Bruno QUESNEL succeeded and directed the U817 Inserm Persistence factors of leukemic cells. In 2007, the unit joined the JPArc project and in 2010 joined the UMR837 Inserm, then UMR-S1172 until 2019. In 2020, team Factors of Persistence of leukemic Cells joined the UMR Canther.

In addition, from 1997 to 2005, Pierre FORMSTECHER directed the **U459** Inserm Signals, Receptors and Cell Differentiation which became **U814** Inserm Molecular and Cellular Screening for Cancer Treatment from 2006 to 2010 and then joined **UMR837** Inserm. The members of this unit joined the team of Bruno QUESNEL in **UMR-S1172** in 2015.

On the other hand, Jean SAMAILLE directed the **U102** Inserm entitled *Virology* from 1972 to 1978, which subsequently split into two units: (i) **U233** Inserm Molecular Virology directed by Pierre BOULANGER from 1979 to 1988 then by Jean-Claude D'HALLUIN from 1989 to 1990 before joining **U124** Inserm at the IRCL; (ii) **U186** Inserm Molecular Oncology directed by Dominique STÉHELIN at the IPL site.

The Fibrosis group led by Christelle CAUFFIEZ comes from **EA4483** Impact of the chemical environment on human health directed since 2013 by Jean-Marc LO-GUIIDICE who succeeded to Franck BROLY, co-director with Michel LHERMITTE of **EA 2679** Genetic variability of the organism's response to its chemical environment created in 1998 and joined in 2010 by EA2689 Biology and physiology of skeptical states of sceptic states (Dir. Régis MATRAN) and EA 2690 Occupational and environmental toxic and carcinogenic agents (Dir. Daniel MARZIN).

March - April - May

2020-03-12 World **Kidney** Day March blue

Mobilization against
colorectal cancer

n°	Mon.	Tues.	Wed.	Thu.	fri.	Sat.	Sun.	
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21	11	12	13	14	15	16	17	
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23	25	26	27	28	29	30	31	

04-03 Canther - HDR Viviane GNEMMI 13 h 30 Pôle Formation Fac. of Medicine
05-03 Canther - Seminar Marie FERNANDES - 14 h - IBL
Canther - Seminar Karin STRIJBIS - Utrecht Univ. (NL) - 11 h

Amphi A . Fourrier - Pôle Recherche Fac. of Medecine

16/17-03 Claire GIRY visit, DGD Inserm

17-03 Canther - tech. Seminar DEPArray™ Technology - 11 h

Amphi A . Fourrier - Pôle Recherche Fac. of Medecine

Canther - 2nd PhD Day (Amphi A - Pôle Formation, Fac of Medicine)

Canther - 2nd PhD Day (Amphi A - Pôle Formation, Fac of Medicine)
Gilles BLOCH visit, PDG Inserm

Canther - Breakfast Inserm regional Delegation Summer time (+ 1h).

Canther - Unit Council Elections

11-27 - 04 University Spring Break

Canther - Seminare Nicolas JONCKHEERE - 14 h - IBL

Canther - M2R students for rehearsal doctoral fellowship