

Wetenschappelijke integriteit

Preventie en promotie

René Custers



Joint-venture structure with universities



Vrije Universiteit Brussel



KU LEUVEN



University and VIB policies apply

Overarching policy

Responsible VIB Research

1. Legal compliance
2. Doing research in a safe manner
3. Dealing with bio-ethical issues responsibly
4. Applying high integrity standards
5. Accountability
6. Awareness about and sensitivity to societal issues

The pillars of research integrity policy

Policy principles

Misconduct procedures

Sanctions

Awareness raising

Scientific skills & education

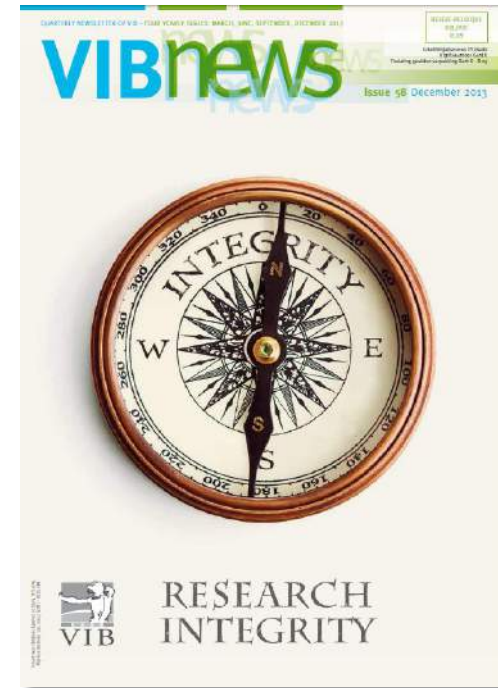
Guidelines & tools

For when things go wrong

Good science

Raising awareness

1. Series in VIB news (2013)



2. Touring the research departments

3. Welcome brochure Responsible VIB Research

Skills training

Refine

Category

-  Bioinformatics (9)
-  Coaching (11)
-  Science (4)
-  Skills (8)

Target audience

[TRAINING AT VIB](#)

Courses



SKILLS AT VIB

SHARPEN YOUR TRANSFERABLE SKILLS.

Excel e-Learning Courses - October 2015

Date: 1 October - 31 October 2015
Location: Your office
REGISTRATION CLOSED

Genetic Engineering (Gent)

Date: 26 October 2015
Location: Gent
REGISTRATION CLOSED

Scientific Writing and Oral Presentations (Gent)

Date: 12-13 November & 1-2 December 2015
Location: Gent
REGISTRATION OPEN

Statistical Thinking and Smart Experimental Design

Date: 17 November 2015
Location: Leuven
REGISTRATION OPEN

Essentials of Image Editing

Date: 15 December 2015
Location: Gent
REGISTRATION OPEN

Initiation GIMP and Inkscape (Gent)

Date: 3 December 2015
Location: Gent
REGISTRATION OPEN

About VIB training

VIB offers a range of training sessions for life sciences researchers.

Contact

Call us at
+32.9.244.66.11 or mail
training@vib.be



Statistical Thinking and Smart Experimental Design



In this one day workshop a conceptual framework is presented that provides insights into the efficient planning, implementation and evaluation of quality experiments.

The research process is considered from a systems analysis point of view in which experimental research is looked upon as an iterative learning process consisting of 4 distinctive but interacting phases:

- definition, asking the right question;
- planning and design;
- implementation;
- analysis and reporting.

Each of these phases is discussed with emphasis on the planning and design stage. While discussing this stage, participants gain insight into major concepts of statistical thinking and their importance for a successful and efficient experiment. In contrast to a technical statistics course, statistical thinking is more involved in asking the right question about the experiment and its conduct. In particular items are discussed such as internal versus external validity, the signal-to-noise ratio, and how to deal in a structured and creative way with bias and variability. In addition, conceptual tools are provided for designing efficient experiments such that bias is eliminated and variability minimized.

The last part of the workshop is about statistical reasoning. This involves the correct interpretation and reporting of the results from the statistical analysis. The workshop is documented with practical examples and ample time is provided for questions and discussion.

Dates:

17 November 2015

Location:

Leuven
Park Inn by Radisson Leuven
Martelarenlaan 36
3010 Leuven

[Route description](#)**Trainer:**

Luc Wouters

[REGISTER](#)**Registration start date:**

6 October 2015 (9:00)

Registration end date:

8 November 2015

REGISTRATION INFO

- Participation is free for VIB participants.
- Registration fee for academics from Flemish and other universities is 40 EUR.
- Registration fee for industry is 300 EUR.



Essentials of Image Editing



Target Audience

- Lab technicians
- PhD students
- Postdocs

Goal

- Prepare high quality, publication-ready figures
- Discriminate between right and wrong image editing

Summary

Many (most) researchers make their figures for publication in PowerPoint. The workshop starts that way. Then we go through the "Instructions to Authors" of a journal and stumble upon a number of problems (ppi, resolution, resizing issues, etc). Step by step, we explain these terms and give advice on how to deal with them. In the end, everyone should be able to make a publication worthy figure even in PowerPoint (certainly possible if you know well in advance what you're doing).

Part 1 also covers a number of additional technical aspects such as color depth (8 vs 16 bit), bitmaps vs. vectors, screen resolution, line art drawings, color space (CMYK vs. RGB) file formats, fonts ... This piece is less hands-on but an explanation of what these terms mean and how to use them (for scientists).

During **Part 2** we will make a figure from A to Z the recommended way (in our opinion) without too many workarounds. (This usually takes over an hour if everyone can work on his or her own computer).

Part 3 deals with image editing. What can and what cannot be done from an ethical point of view. Background cleanup, increase contrast, exposure adjustments, crop, resize, etc. This part is also about scientific integrity supported by many examples from the past (scientific fraud and unwanted modifications). This part can be given as a hands-on course to exercise these functions in Photoshop or purely as a demo with theoretical arguments.

Part 4 shows the importance of qualitative figures for the credibility of the scientist and how they do more than just communicate information. In this section we give some tips & tricks to put this into practice.

In brief:

- With this basic hands-on introduction training you will gain basic knowledge on how to prepare your figures according to the standards of peer-reviewed journals.
- We will teach you relevant understanding about pixels, color depth, print resolution and software that is suited for this.
- Moreover we will also introduce you to the healthy way of image editing without stepping into the dark side of scientific fraud.

Dates:

15 December 2015

Location:

Gent
Bio-Accelerator Meeting Centre
Technologiepark 21
9052 Gent

Trainer:

Luk Cox & Idoya Lahortiga (somersault
18:24)

[REGISTER](#)

Registration start date:

22 October 2015 (9:00)

Registration end date:

23 November 2015

Skills training

Category

-  Bioinformatics (9)
-  Coaching (11)
-  Science (4)
-  Skills (8)

Target audience

TRAINING AT VIB

COACHING AT VIB

PERSONAL AND PROFESSIONAL DEVELOPMENT TRAINING TO BOOST YOUR CAREER.

Career Guidance for PhDs and Postdocs - Gent

Date: September to December 2015
Location: Gent
REGISTRATION CLOSED

Career Guidance for PhDs and Postdocs - Leuven

Date: September to December 2015
Location: Leuven
REGISTRATION CLOSED

Women in Science - facing the challenges of a female researcher: Introduction session

Date: 22 September 2015 from 13:30 till 17:00
Location: Gent
REGISTRATION CLOSED

Women in Science - facing the challenges of a female researcher: Two-day training (Gent)

Date: 6 & 15 October 2015
Location: Gent
REGISTRATION CLOSED

Leadership Program for Postdocs & Staff Scientists - Module 1 (Leuven)

Date: 8 & 9 October 2015
Location: Leuven
REGISTRATION CLOSED

Leadership Program for Postdocs & Staff Scientists - Module 2 (Leuven)

Date: 22 & 23 October 2015
Location: Leuven
REGISTRATION CLOSED

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Leadership Program for Postdocs & Staff Scientists - Module 1 (Leuven)



Target audience:

Postdocs and Staff Scientists working at VIB.

Context:

The leadership training program consists of 2 separate modules:

1. 'Influencing people & leadership': interaction patterns, leadership styles & enhancing constructive communication
2. 'Leadership practices': inspiring leadership, enhancing teamwork & dealing with conflicts

Participants who would like to participate in the second module must first take part in the first module, since we build further on the lessons learnt in the first module.

In order to maximize the relevance and usefulness of the training, participants are invited to fill out an intake questionnaire prior to the training in which they can share personal learning questions & challenges. These are translated by the trainers into case studies & exercises to be used during the training.

Groups consist of maximally 10 participants in order to guarantee the opportunity for in depth experimenting & reflection to all participants.

MODULE 1 - PROGRAM:

Solutions Focus as basic paradigm

- Evolve from problem focused communication to solutions focused communication
- How to make people shift to a more constructive way of dealing with difficulties & setbacks.

Communicating effectively

- Recognizing and changing interaction patterns
- Sharing expectations and feedback in such a way that colleagues respond to these in an adequate way
- Being demanding when needed without belittling people

Leading & coaching people

- Becoming aware of your personal preferences, challenges and allergies
- Adapting your leadership style to the needs of your colleagues
- Maximally building on the diversity of talents and drives of your collaborators
- Creating a fertile breeding ground for highly skilled professionals
- Coaching people who sometimes are more expert in their domain than you are

Dates:

8 & 9 October 2015

Location:

Leuven
Oude Abdij Kortenberg
Abdijdreef 22
3070 Kortenberg
[Route description](#)

Trainer:

True Colours

REGISTRATION IS CLOSED.

Registration start date:

1 September 2015 (9:00)

Registration end date:

25 September 2015

Guidelines and tools

1. Guideline on how to promote a fraud free research unit
2. VIB institutional authorship guidelines
3. VIB guidelines on acceptable scientific image manipulation
4. (VIB Conflicts of Interest Policy)

Responsible VIB Research welcome brochure

