

## Résumé

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### Summary

#### Experience

Clinical Research, Obstetrics & Gynecology, Clinical Research Scientist, KV Pharmaceuticals, USA, 02.2009-02.2009

Clinical Research, Alba Biologics, Diagnostic Medical Device consultant, early clinical development, Toronto, Canada 09.2008-10.2008

Clinical research, Hemato-Oncology/ Passive vaccines, Clinical Research Scientist, Cangene, Canada, 02.2007-08.2008

Pre-clinical research (post-doc), Rheumatic Diseases/ Proteomics, Research Scientist, U. of Manitoba, Canada, 06.2004-02.2007

Pre-clinical research (postdoc-PhD student), Immuno-hematology and Virology, Research Scientist-PhD student, U. Catholique de Louvain, 04.2000-05.2004

General clinical practice, Internship, Physician, Ambulatory Clinic, Moldova, 09.1999-04.2000

#### Education

Medical Council of Canada Qualifying Exams, MCCEE passed 06.2009.

PhD, Immuno-hematology & Virology, U. Catholique de Louvain, Belgium, 2000-2004

MD, General Medicine, State U. of Medicine, Moldova, 1993-1999

Professional certificate in laboratory chemistry (BSc equivalent), Theoretical College #2, Moldova, 1990-1993

#### Languages

English, French,  
Russian, Spanish, Romanian

## EXPERIENCE

<b>Research</b>	
<p><b>02.2009-02.2009</b> <b>(massive workforce reduction)</b></p> <p><u>Employer:</u> <b>KV Pharmaceuticals, St Louis, USA</b></p> <p><u>Position:</u> <b>Clinical Research Scientist</b></p>	<p><u>Areas of interest:</u> Obstetrics and gynaecology, allocation of clinical trial resources</p>
<p><b>09.2009-10.2008</b> <b>(company lost a client)</b></p> <p><u>Employer:</u> <b>Freelancer for Alba Biologics Group, Toronto, Canada</b></p>	<p><u>Areas of interest:</u> Diagnostic Medical Device, early clinical development</p>
<p><b>02.2007-08.2008</b></p> <p><u>Employer:</u> <b>Cangene Corporation, Winnipeg, Canada</b></p> <p><u>Position:</u> <b>Clinical Research Scientist</b></p>	<p><u>Areas of interest:</u> Oncology, infectious diseases, immunology</p> <p><u>Responsibilities:</u></p> <ul style="list-style-type: none"><li>• Review of scientific and medical literature relevant to Cangene product therapeutic areas</li><li>• Design of clinical programs, concept sheets and proposals to support clinical development</li><li>• Development and writing of investigator brochures and product labels/prescribing information</li><li>• Search, identification, engagement and interaction with scientific and medical experts and opinion leaders and study investigators regarding the development of clinical study protocols and programs.</li><li>• Design and writing of clinical study protocols and investigator brochures to ensure scientific rationale and operational conduct</li><li>• Interaction with biostatisticians to analyze and compile clinical data and write clinical study reports</li><li>• Preparation of clinical study reports, annual IND submissions, summaries and supporting documents for regulatory submissions.</li><li>• Presentation of clinical plans, results and summaries to regulatory authorities including the FDA, Health Canada and internationally</li><li>• Interaction with Clinical Operations, Data Management and Pharmacovigilance (PV) units during clinical study lifecycle</li><li>• Interaction with Regulatory Affairs and Business Development during product development and licensure</li></ul>

	<ul style="list-style-type: none"> <li>• MEDICAL monitoring</li> <li>• Search, identification and recruitment of CROs and sending request for proposals</li> <li>• Occasional review of PV Individual Case Safety Reports</li> <li>• Communication with French Regulatory Agency (AFSSAPS) (in French)</li> <li>• Occasional responds to various technical/medical demands (in French)</li> </ul>
<p><b>06.2004-02.2007</b></p> <p><u>Employer:</u>  <b>Rheumatic Diseases Research Laboratory</b>, University of Manitoba, Winnipeg, Canada</p> <p><u>Position:</u>  <b>Pre-clinical Research Scientist</b></p>	<p><u>Areas of interest:</u>  Rheumatoid arthritis, psoriatic and osteoarthritis, immunology</p> <p><u>Responsibilities:</u></p> <ul style="list-style-type: none"> <li>• Identification of target antigens for autoantibodies in rheumatoid arthritis, osteoarthritis and psoriasis for possible diagnostic and potential therapeutic procedures' development. Monoclonal antibody production, Western blotting, immunoprecipitation, ELISA, 2D-PAGE, immunohistochemistry, immunofluorescent microscopy, affinity chromatography, mammal cell culture/tissue etc, in-membrane, in-gel protein digestion, HPLC, MS etc.</li> <li>• Documentation and handling of clinical samples according to PHIA</li> <li>• Research project set-up and development.</li> <li>• Literature review and results' reporting/publishing.</li> <li>• Participation in clinical and scientific workshops, seminars and conferences.</li> <li>• Practical teaching of 2D-PAGE and other methodology</li> </ul>
<p><b>04.2004-05.2004</b></p> <p><u>Employer:</u>  <b>Université Catholique de Louvain</b>, Institute for Cellular Pathology, Experimental Medicine Unit, Brussels, Belgium</p> <p><u>Position:</u>  <b>Pre-clinical Research Scientist</b></p>	<p><u>Areas of interests:</u>  Immunology, haematology, virology</p> <p><u>Responsibilities:</u></p> <ul style="list-style-type: none"> <li>• Investigation of ethiopathogenic role of viral infection on animal models of human autoimmune diseases (Autoimmune thrombocytopenias and anemias). Western blotting, ELISA, immunoprecipitation, affinity chromatography, mammal cell culture/tissue, hybridoma production, FACS, PCR, rodents/rabbits manipulation etc.</li> <li>• Scientific supervision of undergraduate students.</li> <li>• Creation and administration of the laboratory web site.</li> <li>• Placing orders for chemicals and materials.</li> <li>• Oral and written presentations on clinical and scientific conferences.</li> <li>• Publishing results in highly ranked scientific journals</li> </ul>

## Medicine

12.1999- 04.2000

Employer:

**Ambulatory Medical Clinic,**  
Moldova, Europe

Position:

**Physician, Internship in  
General Medicine**

Responsibilities:

- Collection of relevant clinical data
- Interpretation of labs, XRays, ECGs, etc.
- Drugs prescription

## Business and administration

03.2000- 04.2000

Employer:

**Northwest Healthcare Inc.,**  
Vancouver, Southwest  
Washington, USA

Position:

**Healthcare management  
intern**

Responsibilities:

- Quality control of Elderly Primary Care

1997-1999

Employer:

**Dental Medical Centre,**  
Europe

Position:

**Contractor, Project Manager,  
Media publicity campaign  
coordinator**

Responsibilities:

- Media publicity campaign planning, development, realization, and coordination

## EDUCATION

## Medicine

10.2008-11.2009

Medical Council of Canada qualifying exams.  
MCCEE passed June 29, 2009

04.2000-04.2004

Institution:

**Université Catholique de Louvain,** Institute for Cellular  
Pathology, Experimental Medicine Unit, Brussels, Belgium

	<p><u>Degree:</u>  <b>PhD</b> in biomedical sciences (immuno-hematology &amp; virology)  PhD thesis : Experimental models of autoimmune thrombocytopenia in the mouse</p> <p><u>Responsibilities:</u></p> <ul style="list-style-type: none"> <li>• De novo creation of new animal models of human autoimmune diseases (Autoimmune thrombocytopenias and anemias)</li> <li>• Study of diseases' modulation due to viral infection.</li> <li>• Scientific supervision of undergraduate students.</li> <li>• Creation and administration of the laboratory web site.</li> <li>• Placing orders for chemicals and materials.</li> <li>• Oral and written presentations on clinical and scientific conferences.</li> <li>• Publishing results in highly ranked scientific journals</li> </ul>
<p><b>09.1993-06.1999</b></p>	<p><u>Institution:</u>  <b>State University of Medicine and Pharmacy</b>, Chisinau, R. of Moldova</p> <p><u>Degree:</u>  <b>MD</b>, Medical Doctor (Internal Medicine)</p> <p><u>Responsibilities:</u></p> <ul style="list-style-type: none"> <li>• Supervised diagnosis and treatment of hospitalized patients.</li> <li>• Collection of clinical data for a specified group of cardiac patients.</li> <li>• Administrative supervision of ~400 medical students</li> </ul>
<p><b>09.1990-06.1993</b></p>	<p><u>Institution:</u>  <b>Theoretical College (Lyceum) #2</b>, Chisinau (Kishinev), Moldova</p> <p><u>Degree:</u>  Professional certificate in laboratory chemistry (<b>BSc equivalent</b>).  Thesis: Animal models of carcinogenesis.</p>

**Continuing Medical Education**

<b>Completed Physician CME Activity /Year</b>	<b>Credits Earned</b>
2008 - <u>A</u> dvanced <u>C</u> ardiac <u>L</u> ife <u>S</u> upport <u>C</u> ertificate	14 hours
2008	15.5
2007	49.75

## Clinical Research

05.2008	<u>Institution:</u> RGI International and RGI Learning Inc <ul style="list-style-type: none"> <li>Sharpening Your Written Communication Skills, 16 hours</li> </ul>
02.2008	<u>Institution:</u> CFPIE.com <ul style="list-style-type: none"> <li>Writing in the regulated environment when English is your second language, 14 hours</li> </ul>
10.2007	<u>Institution:</u> Life Science Association of Manitoba (LSAM), Winnipeg, Manitoba <ul style="list-style-type: none"> <li>Fundamentals of Regulatory Affairs in Canada, 16 hours</li> </ul>
10.2007	<u>Institution:</u> Cangene Corporation, Winnipeg, Manitoba <ul style="list-style-type: none"> <li>Managing Adverse Events, 16 hours</li> </ul>
02.2007	<u>Institution:</u> Cangene Corporation and CFPIE.com <ul style="list-style-type: none"> <li>Good clinical practices, 16 hours</li> </ul>
11.2006	<u>Institution:</u> University of Manitoba & St-Boniface General Hospital, Office of Clinical Research. <ul style="list-style-type: none"> <li>Clinical Trial Budgets – The Investigator and Institution Perspective, 1 hour</li> <li>Guidelines, Policies and Regulations in the Conduct of Clinical Research, 2 hours</li> <li>Project and Documentation Management for Clinical Research, 2 hours</li> </ul>
10.2006	<u>Institution:</u> University of Manitoba & St-Boniface General Hospital, Office of Clinical Research. <ul style="list-style-type: none"> <li>Introduction to Clinical Research, Lecture Series, 2 hours</li> <li>Clinical Research Ethics, Lecture Series, 2 hours</li> <li>Clinical Research Study Budget-A Sponsors Prospective, Monthly Meeting, 1 hour</li> </ul>
10.2006	<u>Institution:</u> National Institutes of Health (NIH) <ul style="list-style-type: none"> <li>Human Participants Protection Education for Research Teams, 2 hours</li> </ul>
10.2006	<u>Institution:</u> Government of Canada, Interagency Advisory Panel on Research Ethics <ul style="list-style-type: none"> <li>Interagency Advisory Panel on Research Ethics' (PRE) Introductory Tutorial for the Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans (TCPS), 2 hours</li> </ul>

## **Project Management**

01.12.07

Institution:

Life Science Association of Manitoba (LSAM), Winnipeg, Manitoba

- Project Management Workshop, 16 hours

## **Adult Education**

2004-2006

Institution:

University of Manitoba, University Teaching Services, Winnipeg, Canada

Degree:

Certificate in Higher Education and Teaching

Responsibilities:

- Participation in workshops
- 4 hours of lecturing (Microbiology course)
- Teaching Portfolio creation
- Multimedia teaching course development

## **OTHER QUALIFICATIONS**

### **Computer**

Excel, Word (including templates), PowerPoint, Image-Pro, Adobe Acrobat Pro, HTML-coding etc.

### **Languages**

*English:* fluent

*French:* good

*Russian:* native speaker

*Romanian:* basic

*Spanish:* basic

### **Children's education (voluntary)**

Teaching alphabet at the Church School for children from 4 to 5 years old (2006-2007).

### **Sports**

Professional swimming since 1982. Marshal arts since 2006.

## PUBLICATIONS

**Musaji** A, Markine-Goriaynoff D, Franquin S, Thirion G, Phuong Tle T, Coutelier JP. Gamma-interferon involvement in the pathogenesis of lactate dehydrogenase-elevating virus infection. *Adv Exp Med Biol.* 2006;581:439-43.

**Musaji** A., Meite M, Detalle L, Franquin S, Cormont F, Preat V, Izui S, Coutelier JP. Enhancement of autoantibody pathogenicity by viral infections in mouse models of anemia and thrombocytopenia. *Autoimmun Rev.* 2005 Apr;4(4): 247-52. Epub 2004 Dec 14. Review.

**Musaji** A, Cormont F, Thirion G, Cambiaso CL, Coutelier JP. Exacerbation of autoantibody-mediated thrombocytopenic purpura by infection with mouse viruses. *Blood.* 2004 Oct 1; 104(7): 2102-6.

**Musaji** A, Vanhoorelbeke K, Deckmyn H, Coutelier JP. New model of transient strain-dependent autoimmune thrombocytopenia in mice immunized with rat platelets. *Exp Hematol.* 2004 Jan;32(1): 87-94.

Coutelier JP, Detalle L, **Musaji** A, Meite M, Izui S. Two-step mechanism of virus-induced autoimmune hemolytic anemia. *Ann N Y Acad Sci.* 2007 Aug;1109:151-7.