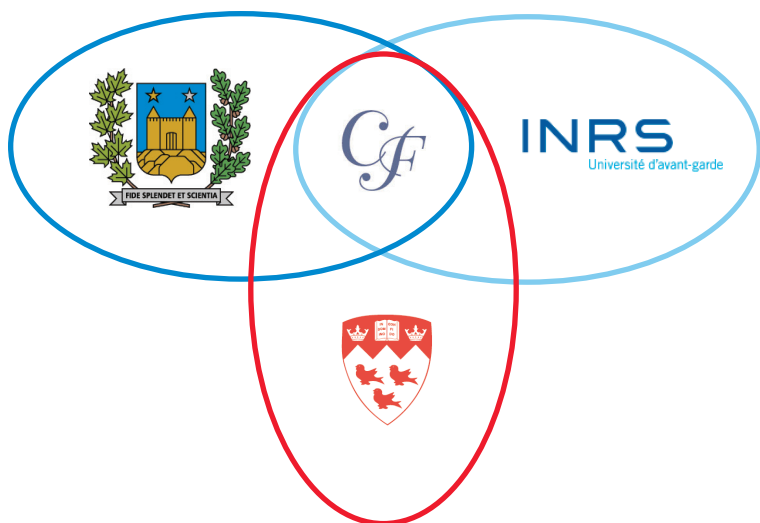


Remise de bourses de recherche
de la Fondation Cole
22 mai 2009



Award Ceremony for the
Cole Foundation Fellowship Program
May 22, 2009

Order of Speakers

*Welcome from Mr. Donat Taddeo
Vice-rector - Development and alumni relations
Université de Montréal*

*Dr. Jean L. Rouleau
Dean of the Faculty of medicine
Université de Montréal*

*Dr. Rémi Quirion
Vice-Dean (Science & Strategic Initiatives), Faculty of Medicine
Senior University Advisor (Health Sciences Research)
McGill University*

*Dr. Yves St-Pierre
Professor
Institut national de la recherche scientifique-
Institut Armand-Frappier*

*Dr. Pierre Boyle
Associate Dean, Research
Faculty of Medicine, Université de Montréal*

*Mr. Barry Cole
President, The Cole Foundation*



Keynote speakers

*Dr. Janusz Rak
Associate Professor, Department of Pediatrics, McGill University
Dr. Guy Sauvageau
Director, Institut de recherche en immunologie et oncologie*

Presentation of the 2009-2011 Cole Foundation Fellows

Presentation of Fellowship Research Exhibition Prize Winners

Guests are invited to enjoy the reception

L'ordre des présentations

*Mot de bienvenue de M. Donat Taddeo
Vice-recteur - Développement et relations avec les diplômés
Université de Montréal*

*Dr Jean L. Rouleau
Doyen, Faculté de médecine
Université de Montréal*

*Dr Rémi Quirion
Vice-doyen (sciences et initiatives stratégiques), Faculté de médecine
Conseiller principal de l'Université (recherche en sciences de la santé)
Université McGill*

*Dr Yves St-Pierre
Professeur
Institut national de la recherche scientifique-
Institut Armand-Frappier*

*Dr Pierre Boyle
Vice-doyen, Recherche
Faculté de Médecine de l'Université de Montréal*

*M. Barry Cole
Président, La Fondation Cole*



Conférenciers

*Dr Janusz Rak
Maître de conférences, Département de pédiatrie, Université McGill
Dr Guy Sauvageau
Directeur, Institut de recherche en immunologie et oncologie*

Présentation des boursiers de recherche 2009-2011 de la Fondation Cole

Présentation des lauréats de l'exposition des projets de recherche

Une réception suivra les présentations

**Les boursiers de recherche de la Fondation Cole 2009- 2011
The 2009-2011 Cole Foundation Fellows**

Université de Montréal

Cyrus Khandanpour, Postdoc

Supervisor: Tarik Möröy, Institut de recherches cliniques de Montréal

Project title: Role of Gfi1 in the development of leukemia

The Growth factor independence 1 (Gfi1) gene is highly expressed in leukemia. By disrupting the function of Gfi1 we impeded the onset and maintenance of leukemia and we are examining the mechanism behind this observation.

Ali Mokdad, Postdoc

Supervisor: François Major, IRIC

Project title: Determination of human Dicer requirements for efficient micro-RNA processing: A new front against cancer

Micro-RNAs are important gene regulators that can influence the appearance and severity of many cancers, including leukemia. We propose the use of advanced computer modeling techniques to determine how these molecules mature in the cells, and how they can be used as therapies.

Elena Shirokova, Postdoc

Supervisor: Michel Bouvier, IRIC

Project title: Cross talk between NF- κ B and p53 pathways in leukemia

We propose to explore the mechanisms that could explain the dual function of NF- κ B as tumor-promoter or -suppressor by studying the interactions of NF- κ B with another tumour-suppressor, p53. A better understanding of the nature of their interactions and functional consequences may help design better therapeutic approaches for leukemia.

Cédric Tremblay, Postdoc

Supervisor: Trang Hoang, IRIC

Titre de projet: Mécanismes de collaboration oncogénique dans la leucémie lymphoïde de type T

This project try to characterize the link between cancer-associated genes implicated in the development of acute lymphoblastic leukemia in children. This work will help to understand the functional role of cancer-prone gene products to ultimately develop targeted therapies to improve life expectancy of leukemia suffering children.

Brian Wilhelm, Postdoc

Supervisor: Guy Sauvageau, IRIC

Project title: Defining the molecular mechanisms involved in normal karyotype acute myeloid leukemias

My research project involves using very high resolution DNA microarrays and patient leukemia samples in order to identify recurrent copy number alterations, across the genome, which may have a role in the development of Acute Myeloid Leukemia (AML).

Marie-Claude Bourgeois-Daigneault, PhD

Supervisor: Jacques Thibodeau, Département de Microbiologie et Immunologie

Titre de projet: Mécanismes Implication des molécules de la famille MARCH dans le développement et la progression des leucémies de type aigue

La présence en quantité anormale d'IL-10 dans le sang permet souvent de prédire l'issue des leucémies infantiles. Notre équipe a récemment identifié une nouvelle molécule, MARCH1, responsable de certains effets biologiques de l'IL-10. Le projet proposé vise à caractériser le rôle de cette molécule dans le développement des maladies.

Marie Cargnello, PhD

Supervisor: Philippe Roux, IRIC

Project title: Regulation of mRNA translation by 4E-T, a repressor of the oncogenic function of eIF4E

The eIF4E translation factor is a potent oncogene aberrantly activated in many AML cases but the molecular mechanisms controlling its activity remain to be fully determined. My research program consists of determining the role of the eIF4E-transporter (4E-T) in the regulation of eIF4E activity and oncogenic properties.

Étienne Caron, PhD

Supervisor: Claude Perreault, IRIC

Project title: mTOR shapes the dynamic MHC I immunopeptidome of lymphoblastoma cells

Cell surface MHC I molecules are associated with self peptides that are collectively referred to as the self MHC I immunopeptidome (sMII). Importantly, mTOR is the most frequently amplified oncogenic pathway. This study aims at deciphering how the mTOR pathway affects the molecular content of the dynamic sMII.

Neda Delgoshai, PhD

Supervisor: Alain Verreault, IRIC

Project title: Histone acetylation and genomic instability

Histone H3 lysine 56 acetylation correlates with tumour grade and is far more abundant in several types of cancer cells than in neighbouring normal cells. My project is to study the regulation of this novel cancer biomarker and to elucidate its function in the maintenance of genomic stability.

Marie-Claude Sincennes, PhD

Supervisor: Trang Hoang, IRIC

Project title: Mécanismes Un nouveau rôle pour l'oncogène LMO2 dans la réplication de l'ADN

I will study the leukemogenic protein LMO2 by determining its protein partners. Particularly, LMO2 binds to critical components of the DNA replication machinery, that allows a mother cell to generate two daughter cells genetically identical. Replicative errors could lead to cancer. I will investigate how LMO2 regulates DNA replication.

McGill University

Cindy Degerny, Postdoc

Supervisor: Xiang-Jiao Yang, Goodman Cancer Centre, Faculty of Medicine

Project title: Function and Regulation of two leukemia-associated histone acetyltransferases

The histone acetyltransferase MOZ plays a causal role in some leukemia development. Its gene is altered in chromosomal translocations associated with acute myeloid leukemia and therapy-related myelodysplastic syndromes. My research project about functional analysis of MOZ will shed new light on novel diagnostic and therapeutic strategies on related leukemias.

Urmila Tawar, Postdoc

Supervisor: Jerry Pelletier, Department of Biochemistry, Faculty of Medicine

Project title: Role of translation factor eIF4E in B-cell lymphomagenesis in an inducible knockdown mouse model

This project is focussed on studying the role of translation factor eIF4E in B-cell lymphoma and leukemia. Since eIF4E activation has been implicated as an important event in oncogenic transformation in lymphoma model, we predict that knockdown of eIF4E will prevent oncogenesis in the B-cell lymphoma model and will be well tolerated. Transient gene inhibition in this model can be reversed and we expect that the lymphoma will recover once the gene is reactivated. Treating the mice with the other compounds, in conjunction with eIF4E knockdown, can also be explored in this model to better model treatment responses in the mouse and test new modalities of therapy.

John Mills, PhD

Supervisor: Jerry Pelletier, Department of Biochemistry, Faculty of Medicine

Project title: Mechanisms Translational Regulation of Mcl-1 in Hematological Cancers

My research project aims at expanding our knowledge of the regulatory mechanisms influencing the translation of the anti-apoptotic, pro-leukemic factor, MCL-1. MCL-1 expression is highly sensitive to the translational state of the cell. We are asking why that is? Can we target this with specific translation inhibitors? Will targeting this lead to a better treatment?

La Fondation Cole

La Fondation Cole soutient la recherche sur le syndrome myélodysplasique, la leucémie et d'autres affections liées à la leucémie chez les enfants et les jeunes adultes, ainsi que le développement des soins cliniques pour les personnes atteintes de ces maladies, en offrant des bourses à des chercheurs-cliniciens, des résidents postdoctoraux et des étudiants diplômés inscrits à des programmes de doctorat et de maîtrise ès sciences. Avec l'annonce publique d'aujourd'hui, le programme de bourses aide financièrement quelque 50 chercheurs répartis dans des laboratoires et des hôpitaux de l'agglomération montréalaise, à la faveur de collaborations avec l'Institut national de la recherche scientifique – Institut Armand-Frappier (Université du Québec); l'Université de Montréal; et l'Université McGill. Plus de deux millions de dollars y seront consacrés.

La Fondation Cole a été instituée en 1980 par John N. (Jack) Cole à titre de fondation familiale privée pour subventionner des services de santé s'intéressant aux soins et à la recherche en pédiatrie et à la découverte d'un traitement curatif pour la leucémie. Elle a été créée à la mémoire de sa fille, Penny Cole, emportée par la leucémie plus de dix ans avant. La Fondation appuie aussi des causes communautaires louables.

Grâce à la Fondation, Jack Cole a donné des millions de dollars à des services de santé de Montréal. Parmi ses grandes réalisations figurent son soutien du Laboratoire Penny Cole à l'Hôpital de Montréal pour enfants et la création de la chaire Jack Cole en oncologie- hématologie pédiatrique à l'Université McGill.

Depuis le décès de son maître d'œuvre en 2004, la Fondation poursuit sa mission avec un intérêt marqué pour la recherche et les soins pédiatriques destinés à de jeunes patients affectés par la leucémie ou une maladie liée à la leucémie. Le programme de bourses de la Fondation Cole n'est qu'un exemple de cette nouvelle activité importante.

La Fondation Cole :

Barry Cole – Président

John Moran – Secrétaire/Trésorier

David Laidley – Membre du conseil d'administration

Anne Lewis – Membre du conseil d'administration

Bruce McNiven – Membre du conseil d'administration

Bill Ridley – Membre du conseil d'administration

Dr Guy Rouleau – Membre du conseil d'administration

J. Michael G. Scott – Membre du conseil d'administration

Dre Sheila Horn Bisailon – Conseillère

Dr Maurice McGregor - Conseiller

The Cole Foundation

The Cole Foundation offers fellowships to clinical fellows, postdoctoral residents and graduate students in PhD and MSc programmes to promote research in pre-leukemia, leukemia, and other leukemia-related diseases in children and young adults, as well as the development of clinical care for patients affected by these diseases. With the public announcement today, the Fellowship programme has supported almost 50 researchers in laboratories and hospitals situated in the Greater Montreal area through collaborations with l'Institut national de la recherche scientifique - Institut Armand-Frappier (Université du Québec); l'Université de Montréal; and McGill University. Over \$2 million has been committed to this programme.

The Cole Foundation was established in 1980 by John N. (Jack) Cole as a private family foundation to provide funds for medical facilities concerned with child care and research towards a cure for leukemia. The Foundation also awards grants to worthy community causes. The catalyst for the Foundation's creation was the death of his daughter, Penny Cole, from leukemia over a decade earlier.

Through the Foundation, Jack Cole provided millions of dollars for medical facilities in Montreal. Notable among his achievements was the support of the Penny Cole Laboratory at the Montreal Children's Hospital and the establishment of the Jack Cole Chair in Pediatric Oncology and Hematology at McGill University.

Since his death in 2004, the Foundation has continued to carry on Jack Cole's mission with a renewed focus on research and child care for young patients afflicted with leukemia and leukemia-related diseases. The Cole Foundation Fellowship Programme is just one example of this new and important activity.

The Cole Foundation:

Barry Cole – President

John Moran – Secretary/Treasurer

David Laidley – Board Member

Anne Lewis – Board Member

Bruce McNiven – Board Member

Bill Ridley – Board Member

Dr. Guy Rouleau – Board Member

J. Michael G. Scott – Board Member

Dr. Sheila Horn Bisailon – Advisor

Dr. Maurice McGregor - Advisor

