123 Secretary General Lane. San Francisco, CA 94143 (123) 456.7890. un@mail.edu

#### **PROFILE**

Protein biochemist with 13 years of experience in academia and industry. Studied several different proteins and peptides employing a wide variety of biophysical and biochemical methods.

- Strong publication record in major journals
- Productive independent researcher with excellent communication & team skills
- Can interact effectively with chemists and structural biologists
- Experience managing research groups/projects.

#### RESEARCH EXPERIENCE

University of California at San Francisco, Post Doctoral Fellow

(Jan. 0000-Present)

Principal Investigator: Ban Ki-moon

- O Biochemical and Structural Characterization of RNA Modifying Enzymes
  - RNA XXXXX Enzyme Biochemical characterization of a RNA XXXXX was done. This enzyme contains a XXXXXX cluster and we are currently studying the role of this cluster. We have also solved the crystal structure of this protein.
  - <u>Structural Genomics</u> Coordinating and managing a mini structural genomics project involving three different RNA modifying enzymes. We have compiled and cloned 15 different genes encoding three enzymes from three bacterial species and have purified and crystallized several of these. Structure determination of several of these enzymes, in apo-form and in complex with RNA, are in progress.

University of California San Francisco, Post Doctoral Fellow

(June 0000-Dec.0000)

Principal Investigator: Boutros Boutros-Ghali

- Altering the Substrate Specificity of XXXXXXXXX
  - Designed and studied several site-specific mutants of XXXXXXXXX having altered substrate specificity. These
    mutants catalyzed XXXXXXXXXXX with high specificity and catalytic efficiency.
- o Protein Inhibitors from Bacteriophages
  - Synthetic genes for two small protein inhibitors from bacteriophages namely, XXXXXXXX Inhibitor from phage XXXXXXX and RNA XXXXXXXX from XXXXXXXXX phage were constructed. Proteins were expressed, purified and characterized.

Institute of Science, Kyoto, Japan

(June 0000-June 0000)

Ph.D. Research Supervisor: Dag Hammarskjold

- o Dissertation Title: "Unfolding of XXXXXXXXXXX. Studies of XXXXX Enzyme and XXXXXX Mutants"
  - Unfolding of XXXXXX and its engineered XXXXXXXmutants were analyzed in great detail using various spectroscopic and other methods. Aggregation of folding intermediates was extensively investigated. Very stable XXXXXXXX mutants were obtained. Initiated a new area of research in a lab, which is primarily a peptide synthesis/structure lab.
- o Peptide Antibiotics
  - Purified individual components from complex, microheterogenous mixtures of fungal peptides using normal
    phase and reverse phase HPLC and crystallized the purified peptide. The high-resolution structure of
    XXXXXXXX, a channel forming peptide, was solved in collaboration with Prof. M. Curie, Naval Research
    Laboratory, Washington D.C., which provided insights into the gating mechanism of protein/peptide channels.



#### **INDUSTRY EXPERIENCE**

Science Chemicalx, Kyoto, Japan

(Jan. 0000-Aug. 0000)

# Founder

- Established and managed a specialty chemicals company. Principal activity included manufacturing amino acid derivatives and unusual amino acids for peptide syntheses.
- Optimized and scaled up syntheses of several derivatives.
- Responsible for growing the company from 1 employee in an academic lab, with start up funding from government of India, to a 5-employee operation in a commercial space.
- Customers included reputed peptide/amino acid manufacturers in Japan, U.S. and Europe such as Advanced Chemtech, Anaspec and Senn Chemicals.

## **TECHNICAL SKILLS**

- Protein Biochemistry: Purification, Electrophoresis, and Enzyme Kinetics
- Spectroscopy: UV/Visible, Fluorescence, Circular Dichroism, and NMR
- Molecular Biology: General molecular biology procedures including PCR, cloning, mutagenesis etc.
- Synthetic Organic Chemistry

#### **EDUCATION**

Institute of Science, Molecular Biophysics Unit, Kyoto, Japan

• Ph.D., Biochemistry, 0000-0000

University of Tokyo, Japan

M.S., Biotechnology, 0000-0000

#### **AWARDS & FELLOWSHIPS**

- U Thant Research Publication Award by the Naval Research Laboratory, United States Navy, for the technical merit and literary clarity of the publication. 0000
- Certificate of Merit for being among the top 5% of the selected candidates for the graduate fellowship. 0000.
- Graduate Fellowship by CSIR-UGC. 0000-0000
- Fellowship through the Department of Biotechnology, Government of Japan, during M.S. 000-0000

## **PUBLICATIONS**

1. Name of publication here Annan, K, Boutros-Ghali, B Manuscript in preparation

- 2. Name of publication hereBoutros-Ghali, B, Annan, K Manuscript in preparation
- 3. Name of publication here Annan, K, Ki-moon, B J Biol Chem (0000) **000** 0000-0000



## 4. Name of publication here

Annan, K, Ki-moon, B

Biochemistry (0000) **00** 00000-00

## 5. Name of publication here

Annan, K, Ki-moon, B, Boutros-Ghali, B

Protein Sci (0000) 0 000-0

## 6. Name of publication here

Annan, K, Boutros-Ghali, B

Biochemistry (0000) **00** 0000-0

## 7. Name of publication here

Boutros-Ghali, B, Annan, K, Ki-moon, B

J Mol Biol (0000) **000** 00-00

## 8. Name of publication here

Biopolymers (0000) **00** 000-00

## 9. Name of publication here

Annan, K, Ki-moon, B

Biochem Biophys Res Commun (0000) 000 0-0

#### 10. Name of publication here

Boutros-Ghali, B, Annan, K, Ki-moon, B

Structure & Function Volume 1: Proteins, Eds. Thant U & Thant U, UN Press 0000

## 11. Name of publication here

Boutros-Ghali, B, Annan, K, Ki-moon, B

Proc Natl Acad Sci U S A (0000) **00** 0000-00

#### **REFERENCES**

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