

Local charge to global structure in the face of disorder.

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DEDICATION

This document is dedicated to the graduate students of the McGill University.

ACKNOWLEDGEMENTS

Acknowledgments, if included, must be written in complete sentences. Do not use direct address. For example, instead of Thanks, Mom and Dad!, you should say I thank my parents.

ABSTRACT

Abstract in English and French are required. The text of the abstract in English begins here.

ABRÉGÉ

The text of the abstract in French begins here.

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LIST OF ABBREVIATIONS

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CHAPTER 1

Introduction

CHAPTER 2

Theory

- 2.1 Intrinsically Disordered Proteins**
- 2.2 Gamma tubulin**
- 2.3 Molecular Dynamics Simulations**
 - 2.3.1 Fixed-temperature Molecular Dynamics**
 - 2.3.2 Replica Exchange Molecular Dynamics**
- 2.4 Evolutionary Algorithms**

CHAPTER 3

Conformational analysis of the γ -Tubulin carboxyl terminus

In this chapter, we present a study on the conformational sampling of the γ -tubulin carboxyl terminus (γ -CT) as obtained through molecular dynamics simulations (MDS).

CHAPTER 4

MEDIEVAL

CHAPTER 5

Conclusions

Appendix A

Here is the text of an Appendix.

Appendix B

Here is the text of a second, additional Appendix