# Table of Contents

1) Introduction 1-3

2) Materials and Methods 4-25

3) ProtVirDB: a database of protozoan virulent proteins 26-37

4) LipocalinPred: a prediction method for lipocalins 38-56

5) FaaPred: a prediction method for fungal adhesins 57-78

6) CDKIPred: a prediction method for CDK inhibitors 79-93

7) Machine-learning based diagnosis of head and neck cancer using gene expression profiles 94-107

8) Perspectives 108-109