1. Introduction

We will briefly discuss the following questions:

Q1 what are mesenchymal stem cells, why are they important and how can mesenchymal stem cells change our future life.

Q2 what is pattern formation, what is the relationship between mesenchymal stem cells and pattern formation.

Q3 what is morphogen, what role does morphogen play in pattern formation.

.

.

.

.

.

.

1. Model

In this part, we will talk about the parameters selections and the model choice. Why did Garfinkel et al decide to use these such numbers and how did they build this specific model and its validity? Is there any predictions they made?

.

.

.

.

.

.