

# **Contents**

<b>Preface.....</b>	<b>1</b>
---------------------	----------

## **Chapter 1**

<b>The Background of Homeopathy .....</b>	<b>5</b>
---	----------

1.1 The Similia principle – cornerstone of Hahnemannian homeopathy.....	5
1.2 A short biography of Samuel Hahnemann (1755–1843).....	5
1.3 Background of Hahnemann's conceptions.....	8
1.4 Hahnemann's Similia principle.....	9
1.5 Fever therapy.....	10
1.6 Symptomatic expressions as indications for treatment .....	11
1.7 Essential symptoms.....	11
1.8 Natural healing and effect of cure .....	12
1.9 Explanation of the Similia principle.....	12
1.10 The homeopathic aggravation .....	14
1.11 Hahnemann's conception of the single remedy.....	15
1.12 Hahnemann and drug proving .....	15
1.13 Hahnemann's selection of the remedy .....	17

## **Chapter 2**

<b>Towards Fundamental Studies in Homeopathy.....</b>	<b>19</b>
---	-----------

2.1 Introduction .....	19
2.2 Main characteristics of homeopathy.....	19
2.3 Symptoms as an expression of a systemic effort – homeopathic literature .....	22
2.4 The biphasic action of medications .....	23
2.5 The homeopathic aggravation .....	26
2.6 The provings.....	27
2.7 Similia principle – examples in mainstream medicine.....	28
2.8 Elements of a research program regarding the Similia principle .....	33

**Chapter 3****Reactivity of the Cell to External Stimuli;  
Symptoms as Positive Phenomena ..... 35**

3.1	Damage and viability .....	35
3.2	Intrinsic capacity of defense against infliction (auto-protection).....	37
3.3	Stress, vitality and viability.....	37
3.4	Symptoms of heat-shocked cells .....	39
3.5	Studies of the molecular basis of stress tolerance .....	39
3.6	The role of stress proteins in cellular vitality .....	42
3.7	Hsp70 as a positive cellular symptom.....	45
3.8	Heat-inactivation of a firefly Luciferase in vivo .....	46
3.9	Reactivation of heat-denatured firefly Luciferase in Rat-1 and HR24 cells .....	48
3.10	A model for the regulation of stress proteins .....	50
3.11	Conclusion.....	52

**Chapter 4****The Biphasic Action of Medication ..... 55**

4.1	Biphasic action and initial value .....	55
4.2	Experimentation requires stimulation of vitality that is sub-optimal... <td>56</td>	56
4.3	Heat-shocked cells .....	57
4.4	Arsenite-shocked cells.....	58
4.5	Cadmium-shocked cells .....	60
4.6	Summary .....	61

**Chapter 5****Symptom Aggravation ..... 63**

5.1	Hypersensitivity and symptom aggravation .....	63
5.2	Mild hyperthermic treatment of heat shocked cells .....	63
5.3	A small dose of arsenite: role of initial values .....	64
5.4	A small dose of cadmium: symptom “aggravation”.....	66
5.5	Generality of the response.....	67
5.6	The problem of specificity .....	68
5.7	Determination of symptom patterns using large or small doses of stress conditions.....	68
5.8	Cross-aggravation experiment.....	69

5.9 Which pattern does enhancement with small doses reflect? .....	70
5.10 Conclusion.....	71

**Chapter 6**

<b>Towards an Understanding of Symptom Aggravation in Damaged Cells.....</b>	<b>72</b>
--	-----------

6.1 Introduction .....	72
6.2 Messenger RNA studies .....	73
6.3 Studies on HSF binding activity.....	75
6.4 Studies on protein denaturation and renaturation – Luciferase as a model protein.....	76
6.5 Conclusion.....	77

**Chapter 7**

<b>Medication Provings .....</b>	<b>79</b>
----------------------------------	-----------

7.1 Introduction .....	79
7.2 A remedy-picture in a cell model .....	79
7.3 Conditions for cell stress .....	80
7.4 Stress conditions – consideration of quantitative possibilities .....	80
7.5 Quantitative non-similarities in cellular reaction .....	82
7.6 Determination of the degree of similarity .....	84
7.7 Conclusion.....	85

**Chapter 8**

<b>Final Analysis of the Similia Principle .....</b>	<b>87</b>
--	-----------

8.1 Testing the Similia principle in a cell model.....	87
8.2 Modulation of heat shock-induced development of vitality .....	87
8.3 Correlation between similarity and stimulation of vitality .....	91
8.4 Possible origin of the differential stimulation of tolerance development .....	92
8.5 Is the pattern of enhanced stress proteins determined by the pre-exposure or by the small dose treatment condition? .....	94
8.6 Conclusion.....	95

<b>References .....</b>	<b>97</b>
-------------------------	-----------

<b>Summary .....</b>	<b>112</b>
----------------------	------------