

# CONTENTS

The world of Bayer	16	17 The birth control pill • <i>A lasting impact on society</i>	73
		18 Anovlar™ • <i>A major step</i>	78
		19 Triquilar™ • <i>The triphasic pill</i>	79
		20 Drospirenone • <i>A new progestin</i>	79
		21 Hubert Dorn • <i>Friendship for life</i>	80
		22 Advantage™ • <i>No chance for the flea circus</i>	83
		23 Axel Haberkorn • <i>The parasite hunter</i>	84
		24 Baytril™ • <i>Stopping bacteria</i>	87
		25 Veraflox™ • <i>Help for our furry friends</i>	87
		26 Advantix™ • <i>Protection against parasites</i>	88
		27 Seresto™ • <i>Low dosage, strong effect</i>	88
		28 Droncit™ • <i>Keeping animals worm-free</i>	89
		29 Kirkor Sirinyan • <i>Gone to the dogs</i>	90
		■ Sabine Bongaerts • <i>Turning knowledge into reality</i>	94
		30 Hieronim Polewicz • <i>Life on the prairies</i>	96
		31 InVigor™ Health • <i>For healthy vegetable oil</i>	99
		32 Günter Donn • <i>The rainbow man</i>	100
		33 Basta™/Liberty™ • <i>Freedom to grow</i>	103
		34 LibertyLink™ • <i>Protecting the corn</i>	103
		35 Gaucho™ • <i>Long-term effect</i>	104
		36 Confidor™ • <i>Controlling aphids</i>	104
		37 MaisTer™ • <i>Support for corn</i>	106
		38 Poncho™/Votivo™ • <i>Bad news for nutrient robbers</i>	107

## Chapter 1: PASSION

1 Bernd Riedl • <i>Full throttle for research</i>	34
2 Dimitris Voliotis • <i>A moment of happiness</i>	38
3 Xofigo™ • <i>Targeting bone metastases</i>	41
4 Xin Ma • <i>A globetrotter</i>	42
■ Konstanze Diefenbach • <i>Scaling the face</i>	46
5 Otto Bayer • <i>The father of polyurethanes</i>	50
6 Polyurethanes • <i>A global triumph</i>	54
7 Bayflex™ • <i>A multifunctional material</i>	56
8 Desmopan™ • <i>Champion of versatility</i>	56
9 Baydur™ • <i>Beauty in every line</i>	57
10 Plastic car • <i>Getting up to speed</i>	58
11 Baymedix™ • <i>Improved wound care</i>	60
12 Baycusan™ • <i>Polymers for the skin</i>	60
13 EcoCommercial Building • <i>A pleasant climate</i>	61
14 Günter Oertel • <i>Love of freedom</i>	62
15 Baytherm™ • <i>A more efficient refrigeration chain</i>	66
■ Thorsten Dreier • <i>A team player</i>	68
16 Manja Ahola • <i>The pride of Turku</i>	70

## Chapter 2: ADVENTURE

39	Helen Free • <i>Coffee with a legend</i>	....	120	61	Wolfgang Krämer • <i>In his father's footsteps</i>	....	160
40	Contour™ • <i>One drop of blood is enough</i>	....	124	62	Adengo™ • <i>Power pack against weeds</i>	....	163
41	Glucobay™ • <i>The breakfast idea</i>	....	124	63	Aviator™ Xpro™ • <i>Effective against survival experts</i>	....	163
■	Angelo Petrillo • <i>On the ball</i>	....	126	64	Hussar™ OD • <i>Overcoming resistance</i>	....	164
42	Primovist™ • <i>Medical insights</i>	....	129	■	Marco Busch • <i>A hands-on guy</i>	....	166
43	Germanin™ • <i>Into the realm of sleeping sickness</i>	....	131	65	Bernard Pélissier • <i>Monsieur and the tree</i>	....	168
44	Miracil • <i>Protection against the curse of the great river</i>	....	133	66	EverGol™ • <i>Strong beans</i>	....	171
45	Antileprol • <i>Hope for the shunned</i>	....	134	67	Prothioconazole • <i>A fungus threatens harvests</i>	....	172
46	Plasmochin • <i>Research in a workshop</i>	....	135	68	Belt™ • <i>Fighting voracious omnivores</i>	....	174
47	Resochin™ • <i>The mosquitoes of Elberfeld</i>	....	135	■	Bin Li • <i>The stories of wise men</i>	....	176
48	Lampit™ • <i>A gift from the heart</i>	....	136	69	Felix Hoffmann • <i>Aspirin – multiple record-breaker</i>	....	181
49	LifeNet™ • <i>Protection against malaria</i>	....	136	70	Tablet pressing • <i>Counterfeiting gangs stopped</i>	....	188
50	Karl Heinz Büchel • <i>A passionate chemist</i>	....	138	71	Aspirin™ high-rise building • <i>Turned into a box</i>	....	188
51	Canesten™ • <i>Cure for an unpleasant companion</i>	....	142	■	Marc Claudius Schrinner • <i>Idea from the fixing bath</i>	....	190
52	Bepanthen™ • <i>Healing scratches for generations</i>	....	143	72	DD coating systems • <i>For planes and trains</i>	....	192
53	Lothar Willms • <i>Molecules and grapevines</i>	....	144	73	Biofactories • <i>Back to nature</i>	....	193
54	Atlantis™ • <i>The problem of the same ancestors</i>	....	147	74	Functional films • <i>The world in film</i>	....	194
55	Graham Holmwood • <i>Gentleman</i>	....	148	75	ViviTouch™ • <i>Fun revolution for computer games</i>	....	195
56	Baytan™ • <i>Plants need an anchor</i>	....	151				
57	Manfred Jautelat • <i>A father and son thing</i>	....	152				
58	Prosaro™ • <i>Protection against toxic fungi</i>	....	155				
59	Ulrike Wachendorff-Neumann • <i>A lady scientist</i>	....	156				
60	Uspulun • <i>Feeding the world</i>	....	159				

Profiles: Researchers tell their stories

■: The Next Generation –  
introducing young scientists

## Chapter 3: WILLPOWER

76 Elisabeth Perzborn • <i>A pioneer</i>	.... 208	99 Nunhems seeds • <i>A carrot called Imperator</i>	.... 254
77 Alexander Straub • <i>Art nouveau</i>	.... 212	100 Reiner Fischer • <i>Marathon man</i>	.... 256
78 Adalat™ • <i>A researcher's lifelong dream</i>	.... 215	101 Movento™ • <i>Spoiling a pest's appetite</i>	.... 259
79 Nimotop™ • <i>Improving memory in old age</i>	.... 216	102 Ernesto™ • <i>Smart farmers harvest the best potatoes</i>	.... 260
80 Johannes-Peter Stasch • <i>Fascinated by beauty</i>	.... 218	103 Sivanto™ • <i>Delicious fruit and vegetables</i>	.... 262
81 Ilomedin™ • <i>High pressure in the lungs</i>	.... 221	104 Baycor™ • <i>Tough on fungi, kind to plants</i>	.... 262
82 Erwin Bischoff • <i>Researching a taboo subject</i>	.... 222	105 Teldor™ • <i>Solution for winemakers</i>	.... 262
83 Eylea™ • <i>Preserving vision</i>	.... 225	106 Envidor™ • <i>Substituting an atom</i>	.... 263
84 Joachim-Friedrich Kapp • <i>Servant of research</i>	.... 226	107 Biologics • <i>Mother Nature's helpers</i>	.... 264
85 Jeroen Van Rie • <i>Friend of the environment</i>	.... 230	■ Coralie van Breukelen-Groeneveld • <i>Advantage</i>	.... 266
86 FiberMax™ • <i>The stuff fabrics are made of</i>	.... 233	108 Erwin Hacker • <i>A farmer at heart</i>	.... 268
87 TwinLink™ • <i>Pampering a diva</i>	.... 233	109 Specticle™/ Alion™ • <i>The power of bacterial cells</i>	.... 271
88 Stoneville™ • <i>Gold-diggers and attitude</i>	.... 234	110 Biomol™ • <i>A snail-free zone in the garden</i>	.... 272
89 Carl Duisberg • <i>A man who changed the world</i>	.... 238	111 Bayer Garden • <i>On the safe side</i>	.... 272
90 Phenacetin • <i>Waste and a brainwave</i>	.... 244	112 Friedrich-Karl Bruder • <i>Crossing frontiers</i>	.... 274
91 Benzopurpurine 4B • <i>Rescue at a time of need</i>	.... 245	113 Holographic films • <i>Molecule modelers</i>	.... 277
92 Benzoazurine G • <i>Indigo – a dream substance</i>	.... 245	■ Zhiping Zhou • <i>A taste of tradition</i>	.... 278
93 Memorandum • <i>A new dimension in site planning</i>	.... 246		
94 “Establishment invention” • <i>Team spirit</i>	.... 247		
95 Relief fund • <i>A social conscience</i>	.... 248		
96 Employee suggestion plan • <i>Bright ideas</i>	.... 249		
97 Heiko Rieck • <i>A matter of taste</i>	.... 250		
98 Luna™ • <i>For fruit, vegetables and cut flowers</i>	.... 253		

Profiles: Researchers tell their stories

■ The Next Generation –  
introducing young scientists

## Chapter 4: PERSEVERANCE

114	Berthold Boedeker • <i>A successful research career</i>	....	292	136	Much More Rice • <i>It's the quality that matters</i>	....	333
115	Kogenate™ • <i>Helped by hamster cells</i>	....	295	■	Marc Bots • <i>The sound of tomorrow</i>	....	334
116	Prontosil • <i>In dramatic circumstances</i>	....	297	137	Fritz Gestermann • <i>The lessons of the sea</i>	....	336
117	Zephirol™ • <i>Life-changing experiences</i>	....	299	138	Tower Biology™ • <i>Largely odor-free</i>	....	339
118	Klaus Grohe • <i>An unfaltering spirit</i>	....	300	139	Power plant G • <i>Innovation in G block</i>	....	341
119	Conteben • <i>Winning the race</i>	....	303	140	Environmental bonus • <i>A brainwave at lunch</i>	....	341
120	Marfanil • <i>A powder cures gas gangrene</i>	....	304	141	Double-contact plant • <i>Leverkusen's clean air</i>	....	342
121	Baypen™ • <i>Carrying on a tradition</i>	....	304	142	Environmental camera • <i>An eye on emissions</i>	....	342
122	Hans-Joachim Zeiler • <i>Through rough terrain</i>	....	306	143	Wastewater Commission • <i>Rhine water in 1901</i>	....	342
123	Avalox™/Avelox™ • <i>A new kind of antibiotic</i>	....	309	144	ODC technology • <i>Producing chlorine cost-efficiently</i>	....	344
124	Guido Schmitz • <i>Bayer pride</i>	....	310	145	Dream Production • <i>Solving real problems</i>	....	345
125	Alka-Seltzer™ • <i>It started in the office</i>	....	313	146	Solar Impulse • <i>Around the world in a solar plane</i>	....	346
126	Polycarbonate • <i>Bold decisions</i>	....	315	■	Grosse Böwing & Peters • <i>Friends in research</i>	....	350
127	Dieter Freitag • <i>The excavator</i>	....	316	147	Company founded • <i>A visionary idea</i>	....	355
128	Compact disc • <i>Praise from the maestro</i>	....	319	148	History of the company logo • <i>A special cross</i>	....	356
129	Johan Vanden Eynde • <i>The esthetic of a factory</i>	....	320	149	The Bayer Cross • <i>A legendary brainwave</i>	....	358
130	Bayblend™ • <i>A new super material</i>	....	323	150	Croceic acid • <i>Protecting the company's ideas</i>	....	361
■	Tobias Grömping • <i>The result of new partnerships</i>	....	324				
131	Shinzo Kagabu • <i>The virtues of the monks</i>	....	326				
132	Arize™ • <i>Better rice</i>	....	330				
133	Nativo™ • <i>More than protection against fungi</i>	....	331				
134	Triafamone • <i>Securing rice's future</i>	....	332				
135	Isotianil • <i>Strengthening the immune system</i>	....	332				

## Epilogue: THE FUTURE

Dr. Marijn Dekkers: Cornerstones of success	....	364
How Bayer employees see the future	....	372