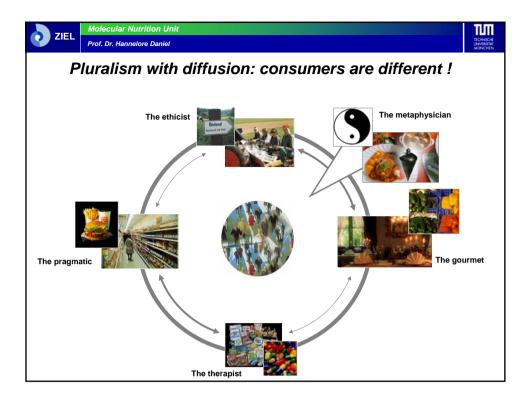


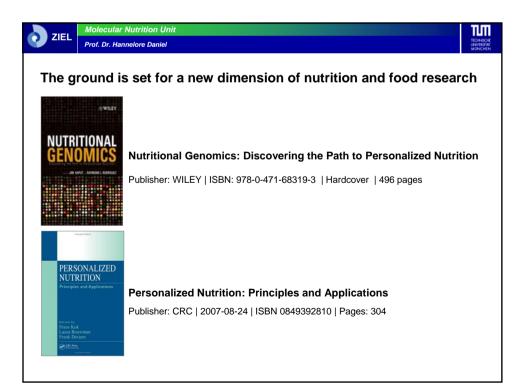


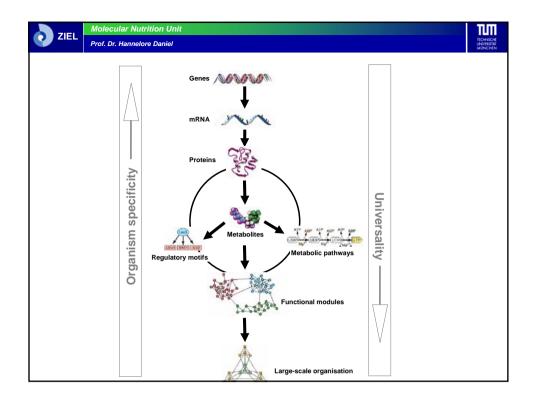
	Molecular Nutrition Unit					
	Prof. Dr. Hannelore Daniel	UNVERSITÄT MÜNCHEN				
Where	e do we stand ?					
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Ih a ni	ighly diversified "nutrition world" !					
Where	e do we go ?					
Plural	ism PURE !					
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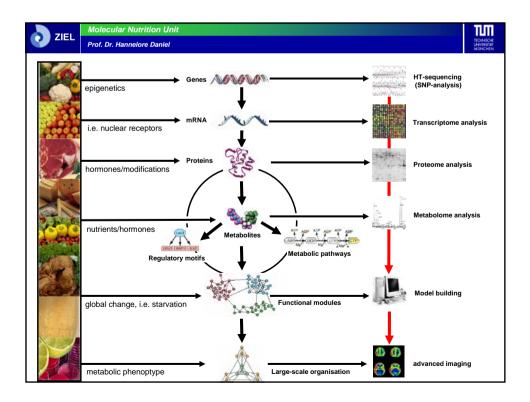


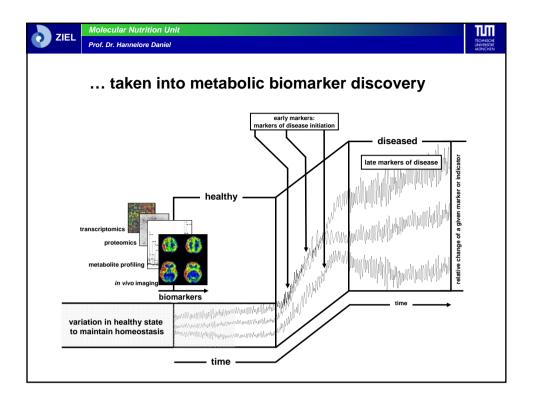


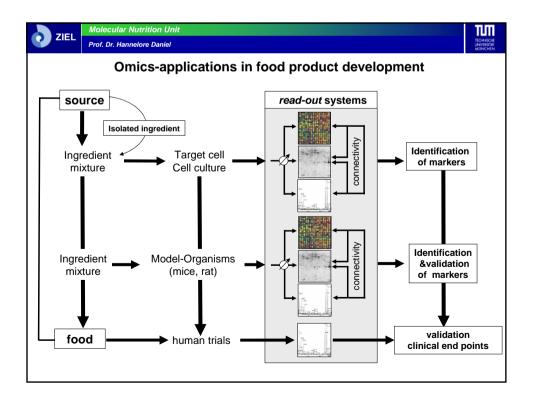


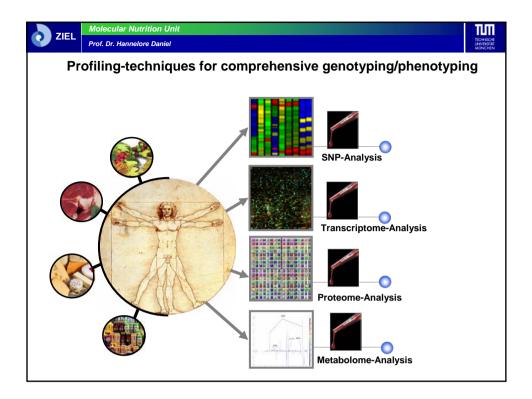


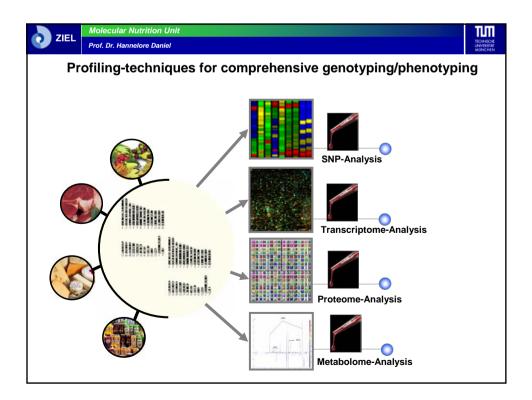


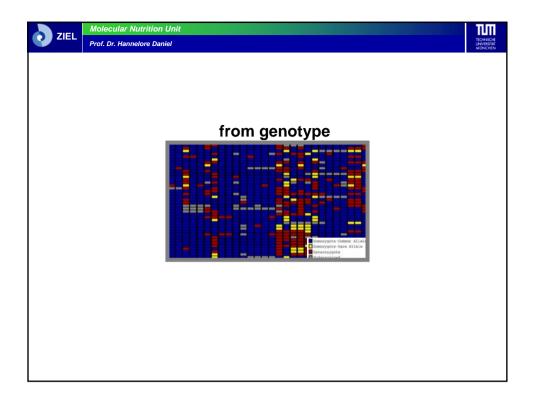


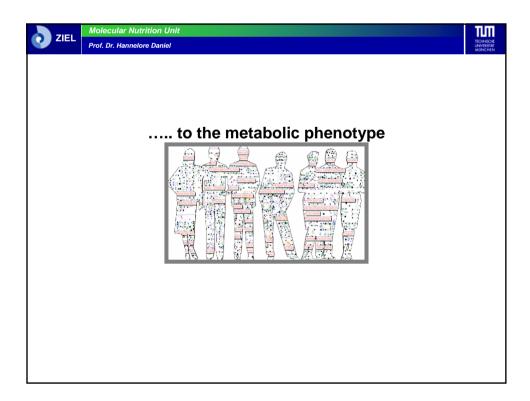


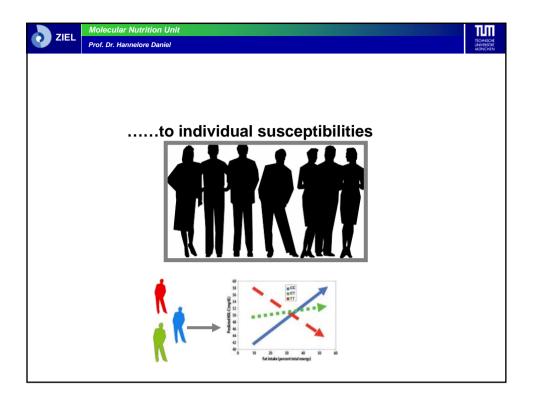


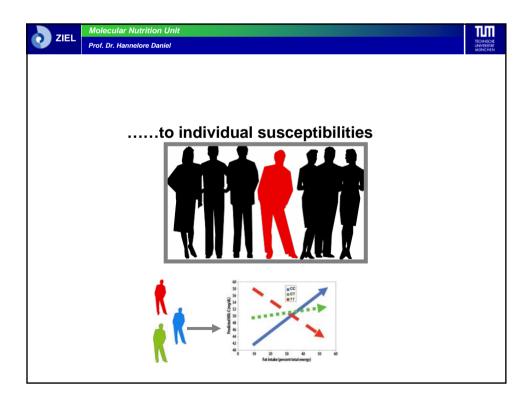


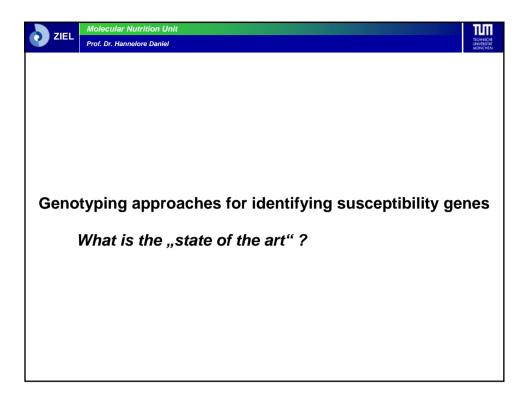


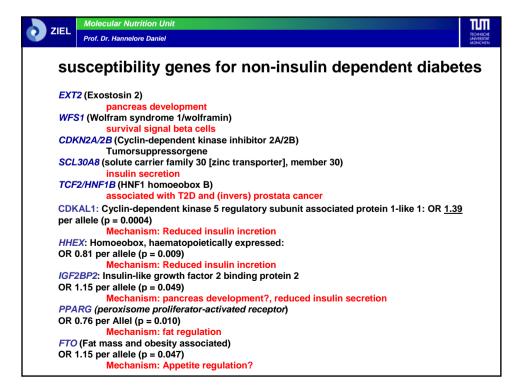


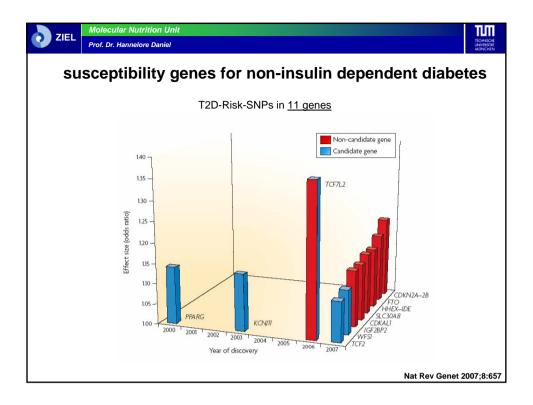


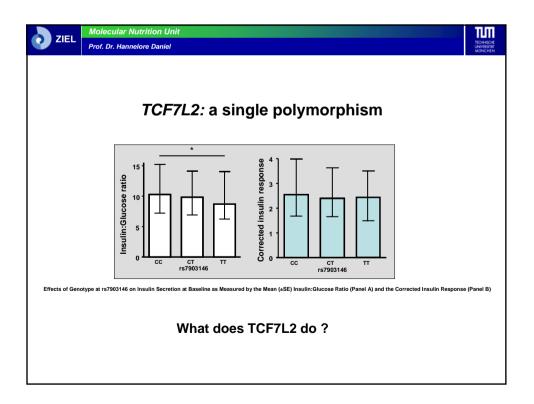


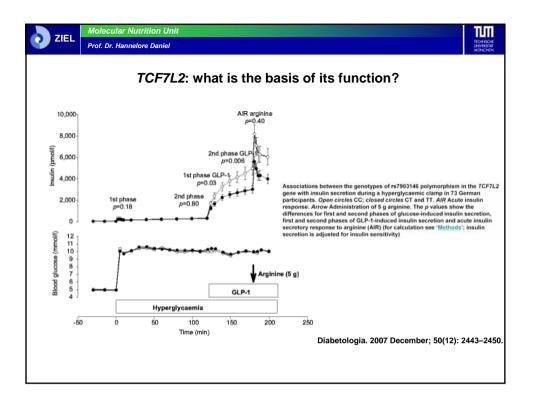


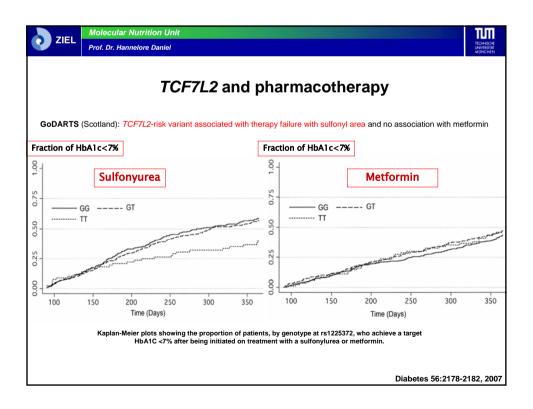


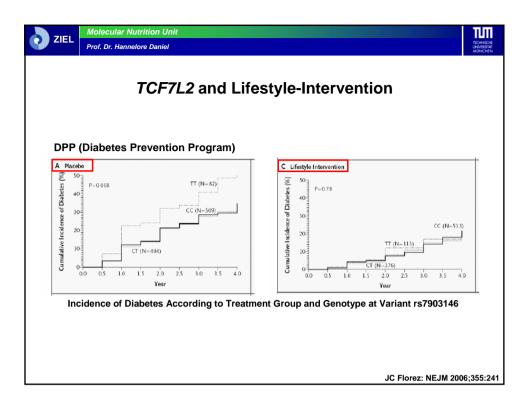


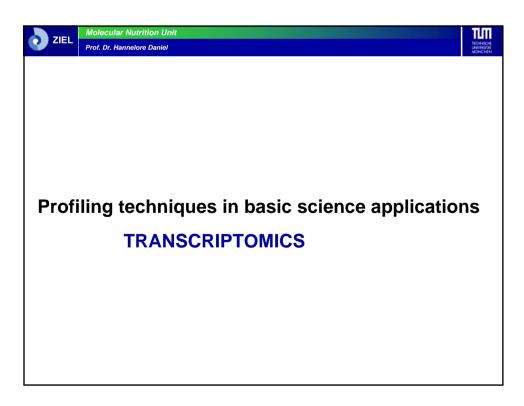






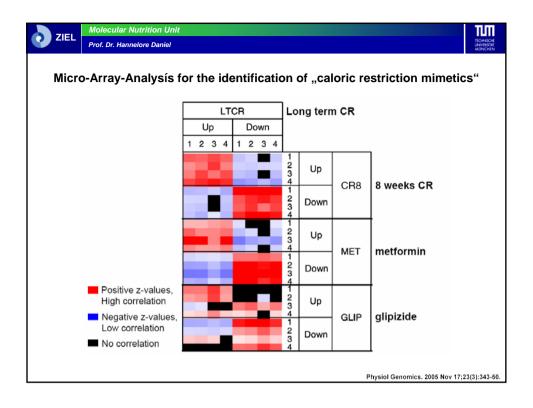


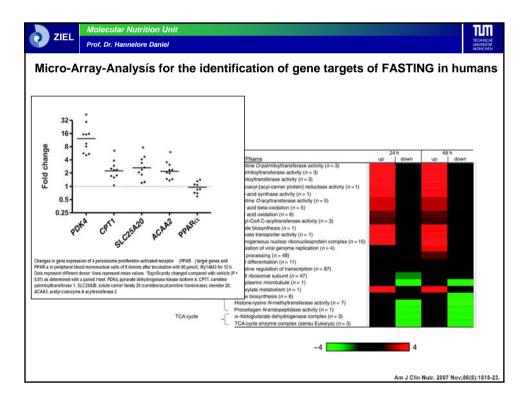


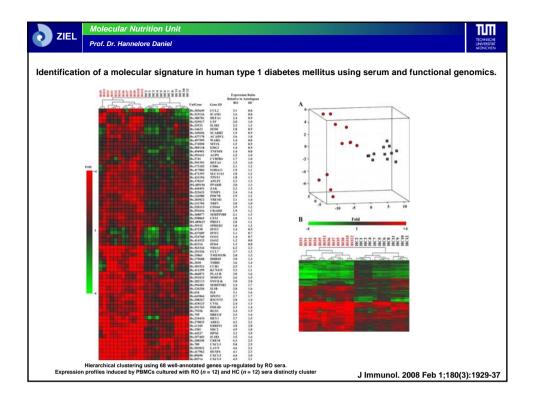


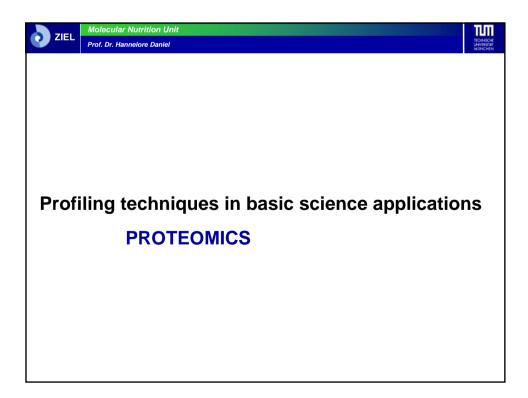
	Molecular Nutrition U Prof. Dr. Hannelore Daniel	nit	
Principle	s of transcript p	rofiling	MUNCHEN
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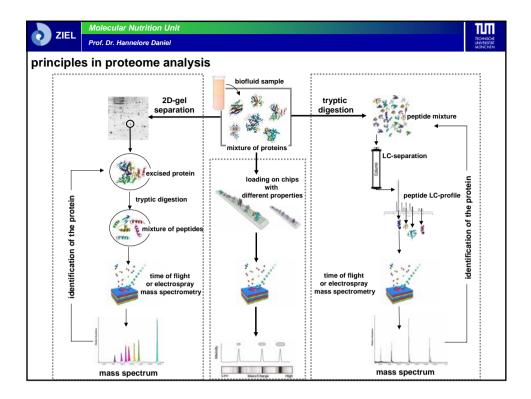
	Molecular Nutrition Prof. Dr. Hannelore Da			
Micro	o-Array-Analy	sís for the identificat	ion of "caloric restriction n	nimetics"
01	d mice (20 months)	8 weeks Caloric restriction (CR8 or Metformin (50 mg/g) Glipizide (25 mg/g)	4x CR8 4x Metformin (MET) 4x Glipizide (GLIP) Whole genome mouse arrays	
		Group s CR8 MET GLIP Metformin	ig. regulated genes 218 349 79	
		Glipizide (Sul Resveratrol 2-deoxy-D-Gli	fonylurea-derivate) ucose	
			Methods M	ol Biol. 2007;371:143-9.

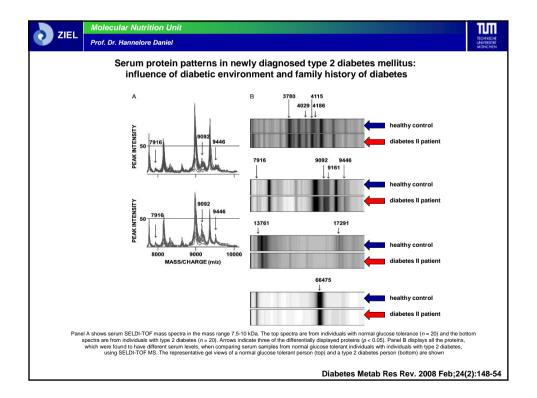


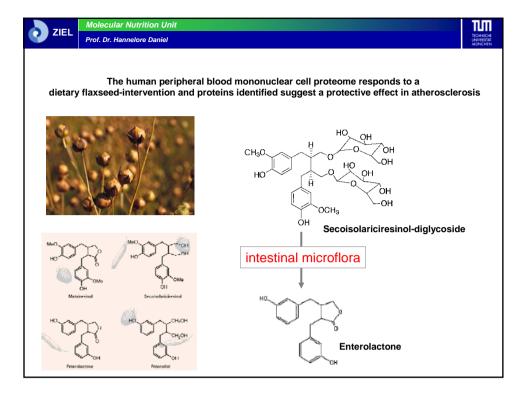


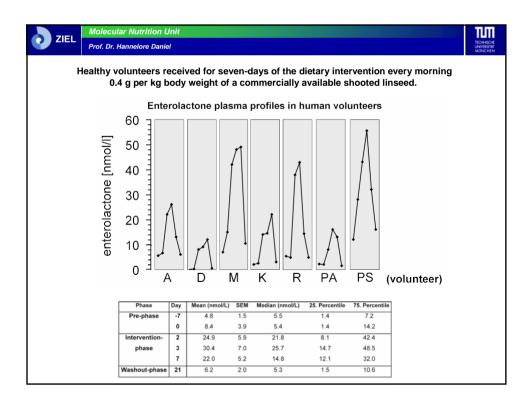












ZIEL	Prof. Dr. Hannelore D	aniol							TEONS
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Prot	eome change	s in	PBMC upon a fl	axeed	interve	ention in h	uman voll	unteer	S
-		Spot No	Protein description	Theoretical M,/p/	Measured M,/p/	Protein amount		%	
1-						Intervention phase/pre-phase	Washout- phase/pre-phase	Sequence- coverage	Accession No
-			Chaperons						
-	16	1	Chaperonin-containing TCP-1 beta subunit homolog	96/6.4	58/6.0	2.05	0.86	36	AAC98906
		2	Peroxiredoxin 4	38/5.3	31/5.9	3.70	1.05	64	Q13162
-		3	T-complex protein 1 subunit alpha (TCP-1-alpha)	121/5.8	61/5.8	2.01	0.95	30	P17987
control	and the second second	4	60 kDa heat shock protein, mitochondrial precursor (hsp60)	210/4.6	61/5.7	only in intervention	n.d.	41	P10809
		5	Cytoskeletal proteins LIM protein	48/7.7	38/7.6	2.88	1.55	37	JC2324
		6	Beta 5-tubulin	51/5.4	51/5.4	0.50	0.77	49	AAH20946
	pH 3.0	-	Metabolism	0110.1	011011	0.00	0.111	-10	100120010
		7	Pyruvate kinase isozymes M1/M2	134/8.7	58/8.0	2.04	1.84	51	P14618
		8	Protein-L-isoaspartate (D- aspartate) O- methyltransferase(EC 2.1.1.77) splice form I	38/6.6	25/6.8	0.24	0.60	49	P22061
		9	Long-chain-fatty-acid beta- oxidation multienzyme complex alpha chain precursor, mitochondrial	160/10.4	160/10.4	only in pre-phase	0.99	35	P40939
		10	Cyclophilin A	21/8.7	18/7.7	only in pre-phase	0.76	50	P62937
		11	TALDO 1 protein	54/5.4	37/5.8	only in intervention	only in intervention	26	AAH18847
		12	Phosphoglycerate mutase 1 (Phosphoglycerate mutase isozyme B) (PGAM-B) (BPG- dependent PGAM 1)	39/6.9	29/6.8	2.86	1.65	56	P36871
			Gene regulation						
		13	Purine-nucleoside phosphorylase (EC 2.4.2.1)	47/6.9	32/6.5	2.06	1.89	62	P00491
		14	Stress-induced- phosphoprotein 1	154/6.8	63/6.4	2.01	only in pre-phase	44	P31948
		15	Other proteins	000/14	0015.0	0.45	0.52		000000
		15	Platelet glycoprotein Illa/II Chain B. Crystal Structure Of	220/4.5	86/5.0	0.45	0.52	23	B36268
		16	Desoxy-Human Hemoglobin Beta6 Glu->trp	13/6.5	16/7.3	0.30	0.54	67	6HBWB
		17	Gelsolin precursor	103/9.6	86/5.9	only in pre-phase	1.42	23	P06396

