

# Biochemistry Word List English–Norwegian

## A

**Acetal** – Acetal

**Acetyl Coenzyme A** – Acetyl-koenzym A

**Acid** – Syre

**Acid-base catalysis** – Syre-base katalyse

**Acid dissociation constant ( $K_a$ )** – Syrekonstanten ( $K_a$ )

**Actin** – Aktin

**Activation energy** – Aktiveringsenergi

**Activation energy barrier** – Aktiveringsenergibarriere

**Active site** –Aktivt sete

**Adenine** – Adenin

**Aerobic** – Aerob

**Alanine** – Alanin

**Aldol reaction** – Aldolreaksjon

**Aldose** – Aldose

**Allosteric protein** – Allosterisk protein

**Allosteric regulation** – Allosterisk regulering

**Allosteric site (regulatory site)** – Allosterisk sete

**Alpha helix** – Alfaheliks

**Amino Acid** – Aminosyre

**Amphipathic** – Amfipatisk

**Amplitude** – Amplitude

**Amylose** – Amylose

**Anabolism** – Anabolisme

**Anaerobic** – Anaerob

**Animal** – Dyr

**Anomer** – Anomer

**Antibiotics** – Antibiotika

**Antibody** – Antistoff

**Anticodon** – Antikodon

**Antioxidant** – Antioksidant

**Antiporter** – Antiport

**Antisense strand** – Antisense tråd

**Archaea** – Arkebakterier

**Arginine** – Arginin

**Asparagine** – Asparagin

**Aspartic acid/ Aspartate** – Asparaginsyre/ Aspartat

**Attenuation** – Attenuering

**Autotroph** – Autotrof

**Axon** – Akson

## B

**Backbone** – Ryggrad

**Bacterium** – Bakterie

**Base** – Base

**Base pair** – Basepar

**Beta barrel** – Betatønne

**Beta sheet** – Betaflak

**Bile** – Galle

**Bile salts** – Gallesalter

**Binding site** – Bindingssete

**Biological dogma** – Biologisk dogma

**Biotechnology** – Bioteknologi

**Blood group antigen** – Blodtype antigen

**Blunt end** – Avstumpede/butt ende

## **C**

**Calvin cycle** – Calvin syklus

**Cap** – Hette/endestykke

**Carbohydrate** – Karbohydrat

**Carbon dioxide** – Karbondioksid

**Carcinogen** – Karsinogen/kreftfremkallende

**Carotene** – Karoten

**Cartilage** – Brusk

**Cascade** – Kaskade

**Catabolism** – Katabolisme

**Catalyst** – Katalysator

**Catalytic center** – Katalytisk senter

**Catalytic triad** – Katalytisk triade

**cDNA library** – cDNA-bibliotek

**Cell** – Celle

**Cell cycle** – Cellesyklus

**Cell membrane** – Cellemembran

**Cell nucleus** – Cellekjerne

**Cellobiose** – Cellobiose

**Cellulose** – Cellulose

**Cell wall** – Cellevegg

**Ceramide** – Ceramid

**Channel** – Kanal

**Chaperone** – Chaperon

**Chiral** – Kiral

**Chlorophyll** – Klorofyll

**Chloroplast** – Kloroplast

**Cholesterol** – Kolesterol

**Chromatin** – Kromatin

**Chromatography** – Kromatografi

**Chromosome** – Kromosom

**Cis/trans isomers** – Cis/trans isomerer

**Citric acid cycle** – Sitronsyresyklusen (Krebs syklus)

**Cleavage** – Separere/bryte

**Codon** – Kodon

**Coenzyme** – Koenzym  
**Cofactor** – Kofaktor  
**Coiled coil** – Sammenkveilede helikser  
**Collagen** – Kollagen  
**Competitive inhibition** – Konkurrerende hemming  
**Configuration** – Konfigurasjon  
**Conformation** – Konformasjon  
**Conjugated acid** – Konjugert syre  
**Conjugated base** – Konjugert base  
**Consensus sequence** – Konsensussekvens  
**Cooperativity** – Kooperativitet  
**Covalent catalysis** – Kovalent katalyse  
**Crystal** – Krystall  
**C-terminus** – C-terminus / C-terminal ende  
**Cysteine** – Cystein  
**Cytoplasm** – Cytoplasma  
**Cytosine** – Cytosin  
**Cytoskeleton** – Cytoskjellettet  
**Cytosol** – Cytosol

## **D**

**Dark reaction** – Mørk reaksjon  
**Degeneracy** – Degenerering  
**Denaturation** – Denaturering

**Dendrite** – Dendritt  
**Deoxyribonucleic acid (DNA)** – Deoksyribonukleinsyre (DNA)  
**Diastereomer** – Diastereomer  
**Diffraction** – Diffraksjon  
**Diffusion** – Diffusjon  
**Disaccharide** – Disakkarid  
**Disulfide bond** – Disulfidbinding  
**Disulfide bridge** – Disulfidbro  
**DNA repair** – DNA-reparasjon  
**DNA replication** – DNA-replikasjon  
**Domain** – Domene  
**Double helix** – Dobbelhelix  
**Drug** – Legemiddel

## **E**

**Electric potential** – Elektrisk potensial  
**Electron density map** – Elektrontetthetskart  
**Electron microscopy** – Elektronmikroskopi  
**Electron-transport chain** – Elektrontransportkjeden  
**Electrophile** – Elektrofil  
**Electrophoresis** – Elektroforese  
**Electrostatic interaction** – Elektrostatisk interaksjon  
**Electrostatic potential** – Elektrostatisk potensial

**Elongation factor** – Elongeringsfaktor

**Enantiomer** – Enantiomer

**Endocytosis** – Endocytose

**Endoplasmic reticulum (rough, smooth)** – Endoplasmatisk retikulum (kornet, glatt)

**Endosome** – Endosom

**Endosymbiosis** – Endosymbiose

**Enthalpy** – Entalpi

**Entropy** – Entropi

**Enzymatic reaction** – Enzymatisk reaksjon

**Enzyme** – Enzym

**Enzyme catalysis** – Enzymkatalyse

**Epimer** – Epimer

**Equilibrium** – Likevekt

**Equilibrium constant ( $K_{eq}$ )** – Likevektskonstant

**Essential amino acid** – Essensiell aminosyre

**Essential fatty acid** – Essensiell fettsyre

**Eukaryote** – Eukaryote

**Evolution** – Evolusjon

**Excision repair** – Utkuttingsreparasjon

**Exocytosis** – Eksocytose

**Exon** – Ekson

**Expression vector** – Uttrykingsvektor

## **F**

**Facilitated diffusion** – Mediert transport

**Facultative anaerobe** – Fakultativ anaerob

**Fatty acid** – Fettsyre

**Feedback inhibition** – Feedback hemming

**Fermentation** – Fermentering

**Fischer projection** – Fischer-projeksjon

**Flux** – Fluks

**Fold** – Fold/Brett

**Free radical** – Fritt radikal

**Fructose** – Fruktose

**Fungi** – Sopp

**Furanose** – Furanose

## **G**

**Galactose** – Galaktose

**Ganglioside** – Gangliosid

**Gastrointestinal tract** – Mage-tarm systemet

**Gene** – Gen

**Gene expression** – Genuttrykk

**General acid-base catalysis** – Generell syre-base katalyse

**Genetically modified organisms (GMOs)** – Genetisk modifiserte organismer

**Genetic code** – Genetisk kode

**Genetic recombination** – Genetisk rekombinasjon  
**Genetic transformation** – Genetisk transformasjon  
**Genome** – Genom  
**Genomic library** – Genomisk bibliotek  
**Gibbs free energy** – Gibbs fri energi  
**Globular protein** – Globulært protein  
**Gluconeogenesis** – Glukoneogenese  
**Glucose** – Glukose  
**Glutamate** – Glutamat  
**Glutamine** – Glutamin  
**Glycan** – Glykan  
**Glycine** – Glysin  
**Glycoconjugate** – Glykokonjugat  
**Glycogen** – Glykogen  
**Glycolipid** – Glykolipid  
**Glycolysis** – Glykolyse  
**Glycosidic bond** – Glykosidisk binding  
**Glycosylation** – Glykosylering  
**Golgi apparatus** – Golgiapparatet  
**Growth factor** – Vekstfaktor  
**Guanine** – Guanin

## **H**

**Half life** – Halveringstid

**Heat-shock protein** – Varme-sjokk protein  
**Helix** – Heliks  
**Heme/haem** – Heme  
**Hemiacetal** – Hemiacetal  
**Hemoglobin** – Hemoglobin  
**Heterochromatin** – Heterokromatin  
**Heterotroph** – Heterotrof  
**High-density lipoprotein** – Høy-tetthets lipoprotein  
**Histidine** – Histidin  
**Histone** – Histon  
**Homeostasis** – Homeostase  
**Homologous recombination** – Homolog rekombinasjon  
**Human** – Menneske  
**Hydration** – Hydrering  
**Hydrogen** – Hydrogen  
**Hydrogen bond** – Hydrogen binding  
**Hydrolase** – Hydrolase  
**Hydrolysis (hydrolytic cleavage)** – Hydrolyse  
**Hydrophilic** – Hydrofil  
**Hydrophobic effect** – Hydrofobisk effekt  
**Hydrophobic interaction** – Hydrofobisk interaksjon  
**Hydrophobicity** – Hydrofobisitet

## I

**Induced fit** – Indusert passform

**Inducer** – Induser

**Initiation factor** – Initieringsfaktor

**Intermediate density lipoprotein** – Intermediærtetthetslipoprotein

**Intermediate filaments** – Intermediære filamenter

**Intron** – Intron

**Ion channel** – Ionekanal

**Ion pair** – Ionepar

**Isoelectric focusing** – Isoelektrisk fokusering

**Isoelectric point (pI)** – Isoelektrisk punkt

**Isoleucine** – Isoleucin

**Isomer** – Isomer

**Isomerase** – Isomerase

**Isomerisation** – Isomerisering

## J

**Junk-DNA** – Sjøppel DNA

## K

**Keratin** – Keratin

**Ketose** – Ketose

**Kinase** – Kinase

**Kinetics** – Kinetikk

## L

**Lactate** – Laktat, melkesyre

**Lactose** – Laktose, melkesukker

**Lateral diffusion** – Lateral diffusjon

**Lectin** – Lektin

**Leucine** – Leucin

**Ligand** – Ligand

**Ligase** – Ligase

**Light <dependent> reaction** – Lys<avhengig> reaksjon

**Lipase** – Lipase

**Lipid** – Lipid

**Lipid bilayer** – Lipid dobbeltlag

**Lipid raft** – Lipid flåte

**Lipopolysaccharide** – Lipopolysakkarid

**Lipoprotein** – Lipoprotein

**Liposome** – Liposom

**Loop** – Løkke

**Low-density lipoprotein** – Lavtetthetslipoprotein

**Lyase** – Lyase

**Lysine** – Lysin

**Lysosome** – Lysosom

**Lysozyme** – Lysozym

## M

**Magnetic spin** – Magnetisk spin  
**Major groove** – Store fure  
**Maltose** – Maltose  
**Mammal** – Pattedyr  
**Mannose** – Mannose  
**Mass spectrometry** – Massespektrometri  
**Meiosis** – Meiose  
**Melting point ( $T_m$ )** – Smeltepunkt  
**Membrane** – Membran  
**Membrane protein** – Membranprotein  
**Membrane transport** – Membrantransport  
**Messenger RNA** – Budbringer RNA  
**Metabolic pathway** – Metabolisk reaksjonsvei  
**Metabolism** – Metabolisme  
**Metabolite** – Metabolitt  
**Methionine** – Metionin  
**Micelle** – Micelle  
**Microfilament** – Mikrofilament  
**Microtubule** – Mikrotubulus  
**Minor groove** – Lille fure  
**Mirror image** – Speilbilde

**Mirror plane** – Speilplan  
**Mitochondria** – Mitokondrie  
**Mitochondrial matrix** – Mitokondrie matriks  
**Mitosis** – Mitose  
**Mitotic spindle** – Mitotisk spindel  
**Molar mass** – Molar masse  
**Molecular biology** – Molekylærbiologi  
**Molecular weight** – Molekylvekt  
**Monochromatic radiation** – Monokromatisk stråling  
**Monomer** – Monomer  
**Monosaccharide** – Monosakkarid  
**Mutagen** – Mutagen  
**Mutation** – Mutasjon  
**Myelin sheath** – Myelinlag  
**Myoglobin** – Myoglobin

## N

**Natural selection** – Naturlig seleksjon/utvalg  
**Neuron** – Nevron  
**Nitrogen** – Nitrogen  
**Nitrogen fixation** – Nitrogenfiksering  
**Nonessential amino acid** – Ikke-essensiell aminosyre  
**N-terminus** – N-terminal ende  
**Nuclear envelope** – Kjernemembranen

**Nuclear magnetic resonance spectroscopy** – Kjernemagnetisk resonansspektroskopi

**Nucleation** – Kimdannelse

**Nucleic acid** – Nukleinsyre

**Nucleolus** – Nukleol

**Nucleophile** – Nukleofil

**Nucleophilic attack** – Nukleofilt angrep

**Nucleoside** – Nukleosid

**Nucleosome** – Nukleosom

**Nucleosome core particle** – Nukleosomkjernepartikkel

**Nucleotide** – Nukleotid

**Nucleus** – Kjerne

## **Q**

**Oligosaccharide** – Oligosakkarid

**Oncogene** – Onkogen/Kreftgen

**Operon** – Operon

**Organelle** – Organelle

**Origin of replication** – Replikasjonsorigo

**Osmosis** – Osmose

**Osmotic pressure** – Osmotisk trykk

**Oxidation** – Oksidasjon

**Oxidizing agent** – Oksidasjonsmiddel

**Oxidoreductase** – Oksidoreduktase

**Oxygen** – Oksygen

## **P**

**Passiv transport** – Passiv transport

**Pentose** – Pentose

**Peptide** – Peptid

**Peptide bond** – Peptidbinding

**Peptide group** – Peptidgruppe

**Peptidoglycan** – Peptidoglykan

**Phase** – Fase

**Phase problem** – Faseproblemet

**Phenylalanine** – Fenylalanin

**Phospholipid** – Fosfolipid

**Phosphorylation** – Fosforylering

**Photosynthesis** – Fotosyntese

**Photosystem** – Fotosystem

**Phylogenetic tree** – Stamtre

**Physiological pH** – Fysiologisk pH

**Plant** – Plante

**Plasma membrane** – Plasmamembran

**Polymerase** – Polymerase

**Polymerase Chain Reaction (PCR)** – Polymerasekjedereaksjon

**Polypeptide** – Polypeptid

**Polysaccharide** – Polysakkarid



**Pore** – Pore

**Posttranscriptional modification** – Posttranskripsjonell modifikasjon

**Posttranscriptional processing** – Posttranskripsjonell prosessering

**Primary structure** – Primærstruktur

**Primer** – Primer

**Projection** – Projeksjon

**Prokaryote** – Prokaryot

**Proline** – Prolin

**Promoter** – Promotor

**Prosthetic group** – Prostetisk gruppe

**Protease** – Protease

**Protein** – Protein

**Protein biosynthesis** – Protein biosyntese

**Protein digestion** – Protein nedbrytning

**Protein fold** – Protein brett/fold *eller* Proteinkjedefolding

**Proteoglycan** – Proteoglykan

**Protomer** – Protomer

**Proton gradient** – Protongradient

**Protonmotive force** – ?

**Purine** – Purin

**Pyranose** – Pyranose

**Pyrimidine** – Pyrimidin

**Pyruvate** – Pyruvat

## **Q**

**Quaternary structure** – Kvartærstruktur

## **R**

**Radiation damage** – Stråleskade

**Radical** – Radikal

**Ramachandran plot** – Ramachandran plot

**Reaction** – Reaksjon

**Reaction center** – Reaksjonscenter

**Reaction intermediate** – Reaksjonsintermediat

**Reaction mechanism** – Reaksjonsmekanisme

**Reaction rate** – Reaksjonsfart

**Reading frame** – Leseramme

**Receptor** – Reseptor

**Recombinant DNA** – Rekombinant DNA

**Redox reaction** – Redoksreaksjon

**Reducing agent** – Reduksjonsmiddel

**Reducing end** – Reduserende ende

**Reduction** – Reduksjon

**Reduction potential** – Reduksjonspotensial

**Refolding** – Renaturering

**Regulatory protein** – Regulatorisk protein

**Regulatory site** – Regulatorisk sete  
**Renaturation** – Renaturering  
**Replication** – Replikasjon  
**Replication fork** – Replikasjonsgaffel  
**Repressor** – Repressor  
**Residue** – Residu / Aminosyrerest  
**Respiratory chain** – Respirasjonkjede  
**Restriction enzyme** – Restriksjonsenzym  
**Resolution** – Oppløsning  
**Ribonucleic acid (RNA)** – Ribonukleinsyre (RNA)  
**Ribose** – Ribose  
**Ribosome** – Ribosom  
**Ribozyme** – Ribozym  
**Rickets** – Rakitt  
**RNA processing** – RNA-prosessering

## S

**Saccharide** – Sakkarid  
**Saturated fatty acid** – Mettet fettsyre  
**Scurvy** – Skjorbuk  
**Secondary structure** – Sekundærstruktur  
**Second messenger** – Sekundær budbringer  
**Semiconservative** – Semikonservativ  
**Sense strand** – Sense tråd

**Serine** – Serin  
**Shuttle processes** – ?  
**Specific acid–base catalysis** – Spesifikk syre-base katalyse  
**Spectroscopy** – Spektroskopi  
**Spectrum** – Spektrum  
**Sphingolipid** – Sfingolipid  
**Sphingosine** – Sfingosin  
**Spin** – Spin  
**Starch** – Stivelse  
**Start codon** – Startkodon  
**Steady state** – ?  
**Stem cell** – Stamcelle  
**Stereochemistry** – Stereokjemi  
**Stereoisomer** – Stereoisomer  
**Stereospecificity** – Stereospesifisitet  
**Steroid** – Steroid  
**Sticky end** – Klebrig ende  
**Stop codon** – Stoppkodon  
**Structural motif** – Strukturmotiv  
**Substrate** – Substrat  
**Substrate recognition** – Substratgjenkjenning  
**Subunit** – Subenhet  
**Sucrose** – Sukrose

**Supercoil** – Superkveil/spiral

**Supersecondary structure** – Supersekundærstruktur

**Symmetry** – Symmetri

**Symport** – Symport

## **T**

**TATA Box** – TATA-boks

**Tautomerism** – Tautomerisme

**Terpene** – Terpen

**Tertiary structure** – Tertiærstruktur

**Threonine** – Treonin

**Thymine** – Tymin

**TIM barrel** – TIM tønne

**Tissue** – Vev

**Titration curve** – Titreringskurve

**Torsion angle** – Torsjonsvinkel

**Trace elements** – Sporgrunnstoff

**Transcription** – Transkripsjon

**Transcription factor** – Transkripsjonsfaktor

**Transcription initiation complex** – Transkripsjonsinitieringskompleks

**Transfection** – Transfeksjon

**Transferase** – Transferase

**Transfer RNA** – Transport RNA

**Transition state** – Overgangstillstand

**Transition state analog** – Overgangstillstandsanalog

**Transition state stabilization** – Overgangstillstandsstabilisering

**Translation** – Translasjon

**Translation initiation complex** – Translasjonsinitieringskompleks

**Translation initiation factor** – Translasjonsinitieringsfaktor

**Triglyceride** – Triglyserid

**Tryptophan** – Tryptofan

**Tyrosine** – Tyrosin

## **U**

**Unsaturated fatty acid** – Umettet fettsyre

**Uracil** – Uracil

## **V**

**Vacuole** – Vakuole

**Valine** – Valin

**Van der Waals interaction** – Van der Waals-interaksjon

**Van der Waals surface** – Van der Waals-overflate

**Vesicle** – Vesikkel

**Vesicular transport** – Vesikulær transport

**Virus** – Virus

**Vision** – Syn

**Vitamine** – Vitamin

## W

**Wax** – Voks

**Wobble base** – ?

## X

**X-ray crystallography** – Røntgenkrystallografi

**X-rays** – Røntgenstråler

**Xylose** – Xylose

## Z

**Zwitterion** – Zwitterion

**Zymogen (proenzyme)** – Proenzym

# Biokjemisk Ordliste Norsk–Engelsk

## A

**Acetal** – Acetal

**Acetylkoenzym A** – Acetyl Coenzyme A

**Adenin** – Adenine

**Aerob** –Aerobic/Obligate aerobe

**Akson** – Axon

**Aktin** – Actin

**Aktiveringsenergi** – Activation energy

**Aktiveringsenergibarriere** – Activation energy barrier

**Aktivt sete** – Active site

**Alanin** – Alanine

**Aldol reaksjon** – Aldol reaction

**Aldose** – Aldose

**Alfaheliks** – Alpha helix

**Allosterisk protein** – Allosteric protein

**Allosterisk regulering** – Allosteric regulation

**Allosterisk sete** – Allosteric site (regulatory site)

**Amfipatisk** – Amphipathic

**Aminosyre** – Amino Acid

**Amplitude** – Amplitude

**Amylose** – Amylose

**Anabolisme** – Anabolism

**Anaerob** – Anaerobic/Obligate Anaerobe

**Anomer** – Anomer

**Antibiotika** – Antibiotics

**Antikodon** – Anticodon

**Antioksidant** – Antioxidant

**Antiport** – Antiporter

**Antisense tråd** – Antisense strand

**Antistoff** – Antibody

**Arginin** – Arginine

**Arkebakterier** – Archaea

**Asparagin** – Asparagine

**Asparaginsyre/ Aspartat** – Aspartic acid/ Aspartate

**Attenuering** – Attenuation

**Autotrofi** – Autotroph

**Avstumpede ende/Butt ende** – Blunt end

## B

**Bakterie** – Bacterium

**Base** – Base

**Basepar** – Base pair

**Betaflak** – Beta sheet

**Betatønne** – Beta barrel

**Bindingssete** – Binding site

**Biologisk dogma** – Biological dogma  
**Bioteknologi** – Biotechnology  
**Blodtype antigen** – Blood group antigen  
**Brett/Fold** – Fold  
**Brusk** – Cartilage  
**Budbringer-RNA** – Messenger RNA  
**Butt ende/Avstumpede ende**– Blunt end

## C

**Calvin syklus** – Calvin cycle  
**cDNA bibliotek** – cDNA library  
**Celle** – Cell  
**Cellekjerne** – Cell nucleus  
**Cellembran** – Cell membrane  
**Cellessyklus** – Celle cycle  
**Cellevegg** – Cell wall  
**Cellobiose** – Cellobiose  
**Cellulose** – Cellulose  
**Ceramid** – Ceramide  
**Chaperon/Anstand** – Chaperone  
**Cis/trans isomerer** – Cis/trans isomers  
**C-terminus/ C-terminal ende** – C-terminus  
**Cystein** – Cysteine

**Cytoplasma** – Cytoplasm  
**Cytosin** – Cytosine  
**Cytoskjelletet** – Cytoskeleton  
**Cytosol** – Cytosol

## D

**Degenerering** – Degeneracy  
**Denaturering** – Denaturation  
**Dendritt** – Dendrite  
**Deoksyribonukleinsyre (DNA)** – Deoxyribonucleic acid (DNA)  
**Diastereomer** – Diastereomer  
**Diffraksjon** – Diffraction  
**Diffusjon** – Diffusion  
**Disakkarid** – Disaccharide  
**Disulfidbinding** – Disulfide bond  
**Disulfidbro** – Disulfid bridge  
**DNA-reparasjon** – DNA repair  
**DNA-replikasjon** – DNA replication  
**Dobbelhelix** – Double helix  
**Domene** – Domain  
**Druesukker, Glukose** – Glucose  
**Dyr** – Animal

## **E**

**Eksocytose** – Exocytosis

**Ekson** – Exon

**Elektrisk potensial** – Electrical potential

**Elektrofil** – Electrophile

**Elektroforese** – Electrophoresis

**Elektronmikroskopi**– Electron microscopy

**Elektrontetthetskart** – Electron density map

**Elektrontransportkjeden** – Electron–transport chain

**Elektrostatisk interaksjon** – Electrostatic interaction

**Elektrostatisk potensial** – Electrostatic potential

**Elongeringsfaktor** – Elongation factor

**Enantiomer** – Enantiomer

**Endocytose** – Endocytosis

**Endoplasmatisk retikulum (kornet/ru, glatt)** – Endoplasmic reticulum (rough, smooth)

**Endosom** – Endosome

**Endosymbiose** – Endosymbiosis

**Entalpi** – Enthalpy

**Entropi** – Entropy

**Enzym** – Enzyme

**Enzymatisk reaksjon** – Enzymatic reaction

**Enzymkatalyse** – Enzyme catalysis

**Epimer** – Epimer

**Essensiell aminosyre** – Essential amino acid

**Essensiell fettsyre** – Essential fatty acid

**Eukaryote** – Eukaryote

**Evolusjon** – Evolution

## **F**

**Fakultativ anaerob** – Facultative anaerobe

**Fase** – Phase

**Faseproblemet** – Phase problem

**Fenylalanin** – Phenylalanine

**Fermentering** – Fermentation

**Fettløselig vitamin** – Fat–soluble vitamin

**Fettsyre** – Fatty acid

**Fischerprojeksjon** – Fischer projection

**Fold/Brett** – Fold

**Fosfolipid** – Phospholipid

**Fosforylering** – Phosphorylation

**Fotosyntese** – Photosynthesis

**Fotosystem** – Photosystem

**Fouriertransformasjon** – Fourier transform

**Fritt radikal** – Free radical

**Fruktose, Frukt sukker** – Fructose

**Furanose** – Furanose

**Fysiologisk pH** – Physiological pH

## G

**Galaktose** – Galactose

**Galle** – Bile

**Gallesalter** – Bile salts

**Gangliosid** – Ganglioside

**Gen** – Gene

**Generell syre–base katalyse** – General acid–base catalysis

**Genetisk kode** – Genetic code

**Genetisk modifiserte organismer** – Genetically modified organisms (GMOs)

**Genetisk rekombinasjon** – Genetic recombination

**Genetisk transformasjon** – Genetic transformation

**Genom** – Genome

**Genomisk bibliotek** – Genomic library

**Genuttrykk** – Gene expression

**Gibbs fri energi** – Gibbs free energy

**Globulære proteiner** – Globular proteins

**Glukose** – Glucose

**Glutamat** – Glutamate

**Glutamin** – Glutamine

**Glykan** – Glycan

**Glykogen** – Glycogen

**Glykokonjugat** – Glycoconjugate

**Glykolipid** – Glycolipid

**Glykolyse** – Glycolysis

**Glykosidisk binding** – Glycosidic bond

**Glykosylering** – Glycosylation

**Glysin** – Glycine

**Golgiapparatet** – Golgi apparatus

**Guanin** – Guanine

## H

**Halveringstid** – Half life

**Heliks** – Helix

**Heme** – Heme/Haem

**Hemiacetal** – Hemiacetal

**Hemoglobin** – Hemoglobin

**Heterokromatin**– Heterochromatin

**Heterotrof**– Heterotroph

**Hette/Endestykke** – Cap

**Histidin** – Histidine

**Histon** – Histone

**Homeostase** – Homeostasis

**Homolog rekombinasjon** – Homologous recombination

**Hydrering** – Hydration

**Hydrofil** – Hydrophilic

**Hydrofobisitet** – Hydrophobicity



**Hydrofobisk effekt** – Hydrophobic effect

**Hydrofobisk interaksjon** – Hydrophobic interaction

**Hydrogen** – Hydrogen

**Hydrogenbinding** – Hydrogen bond

**Hydrolase** – Hydrolase

**Hydrolyse** – Hydrolysis (hydrolytic cleavage)

**Høy-tetthets lipoprotein** – High-density lipoprotein

## **I**

**Ikke-essensiell aminosyre** – Nonessential amino acid

**Induser** – Inducer

**Indusert passform** – Induced fit

**Initieringsfaktor** – Initiation factor

**Integral membranprotein** – Integral membrane protein

**Intermediære filamenter** – Intermediate filaments

**Intermediærtetthetslipoprotein** – Intermediate density lipoprotein

**Intron** – Intron

**Ionekanal** – Ion channel

**Ionepar** – Ion pair

**Isoelektrisk fokusering** – Isoelectric focusing

**Isoelektrisk punkt (pI)** – Isoelectric point (pI)

**Isoleucin** – Isoleucine

**Isomer** – Isomer

**Isomerase** – Isomerase

**Isomerisering** – Isomerisation

## **K**

**Kanal** – Channel

**Karbohydrat** – Carbohydrate

**Karbondioksid** – Carbon dioxide

**Karoten** – Carotene

**Karsinogen/Kreftfremkallende** – Carcinogen

**Kaskade** – Cascade

**Katabolisme** – Catabolism

**Katalysator** – Catalyst

**Katalytisk senter** – Catalytic center

**Katalytisk triade** – Catalytic triad

**Keratin** – Keratin

**Ketose** – Ketose

**Kimdannelse** – Nucleation

**Kinase** – Kinase

**Kinetikk** – Kinetics

**Kiral** – Chiral

**Kjerne** – Nucleus

**Kjernemagnetisk resonansspektroskopi** – Nuclear magnetic resonance spectroscopy

**Kjernemembran** – Nuclear envelope

**Klebrig ende** – Sticky end

**Klorofyll** – Chlorophyll

**Kloroplast** – Chloroplast

**Kodon** – Codon

**Koenzym** – Coenzyme

**Kofaktor** – Cofactor

**Kolesterol** – Cholesterol

**Kollagen** – Collagen

**Konfigurasjon** – Configuration

**Konformasjon** – Conformation

**Konjugert base** – Conjugated base

**Konjugert syre** – Conjugated acid

**Konkurrerende hemming** – Competitive inhibition

**Konsensussekvens** – Consensus sequence

**Kooperativitet** – Cooperativity

**Kotranslasjonell modifikasjon** – Cotranslational modification

**Kotranslasjonell prosessering** – Cotranslational processing

**Koalent katalyse** – Covalent catalysis

**Kreftgen/Onkogen** – Oncogene

**Kromatin** – Chromatin

**Kromatografi** – Chromatography

**Kromosom** – Chromosome

**Krystall** – Crystal

**Kvartærstruktur** – Quaternary structure

## **L**

**Laktat** – Lactate

**Laktose** – Lactose

**Lateral diffusjon** – Lateral diffusion

**Lavtethetslipoprotein** – Low-density lipoprotein

**Legemiddel** – Drug

**Lektin** – Lectin

**Leseramme** – Reading frame

**Leucin** – Leucine

**Ligand** – Ligand

**Ligase** – Ligase

**Likevekt** – Equilibrium

**Likevektskonstant** – Equilibrium constant ( $K_{eq}$ )

**Lille fure** – Minor groove

**Lipase** – Lipase

**Lipid** – Lipid

**Lipid dobbeltlag** – Lipid bilayer

**Lipid flåte** – Lipid raft

**Lipopolysakkarid** – Lipopolysaccharide

**Lipoprotein** – Lipoprotein

**Liposom** – Liposome

**Lyase** – Lyase

**Lysin** – Lysine

**Lysosom** – Lysosome

**Lysozym** – Lysozyme

**Lys<avhengig> reaksjon** – Light <dependent> reaction

**Løkke** – Loop

## M

**Mage-tarm-systemet** – Gastrointestinal tract

**Magnetisk spin** – Magnetic spin

**Maltose** – Maltose

**Mannose** – Mannose

**Massespektrometri** – Mass spectrometry

**Mediert transport** – Facilitated diffusion

**Meiose** – Meiosis

**Melkesukker, Laktose** – Lactose

**Melkesyre, Laktat** – Lactate

**Membran** – Membrane

**Membranprotein** – Membrane protein

**Membrantransport** – Membrane transport

**Menneske** – Human

**Metabolisk reaksjonsvei** – Metabolic pathway

**Metabolisme** – Metabolism

**Metabolitt** – Metabolite

**Metionin** – Methionine

**Mettet fettsyre** – Saturated fatty acid

**Micelle** – Micelle

**Mikrofilament** – Microfilament

**Mikrotubulus** – Microtubule

**Mitokondrie** – Mitochondria

**Mitose** – Mitosis

**Mitotisk spindel** – Mitotic spindle

**Molar masse** – Molar mass

**Molekylærbiologi** – Molecular biology

**Molekylvekt** – Molecular weight

**Monokromatisk stråling** – Monochromatic radiation

**Monomer** – Monomer

**Monosakkarid** – Monosaccharide

**Mutagen** – Mutagen

**Mutasjon** – Mutation

**Myelin** – Myelin sheath

**Myoglobin** – Myoglobin

**Mørk reaksjon** – Dark reaction

## N

**Naturlig seleksjon/utvalg** – Natural selection

**Nevron** – Neuron

**Nitrogen** – Nitrogen

**Nitrogenfiksering** – Nitrogen fixation

**Nitrogensyklusen** – Nitrogen cycle

**N-terminal ende** – N-terminus

**Nukleinsyre** – Nucleic acid

**Nukleofil** – Nucleophile

**Nukleofil angrep** – Nucleophilic attack

**Nukleol** – Nucleolus

**Nukleosid** – Nucleoside

**Nukleosom** – Nucleosome

**Nukleosomkjernepartikkel** – Nucleosome core particle

**Nukleotid** – Nucleotide

## O

**Oksidasjon** – Oxidation

**Oksidasjonsmiddel** – Oxidizing agent

**Oksidoreduktase** – Oxidoreductase

**Oksygen** – Oxygen

**Oligosakkarid** – Oligosaccharide

**Onkogen/Kreftgen** – Oncogene

**Operon** – Operon

**Oppløsning** – Resolution

**Organelle** – Organelle

**Osmose** – Osmosis

**Osmotisk trykk** – Osmotic pressure

**Overgangstillstand** – Transition state

**Overgangstillstandsanalog** – Transition state analog

**Overgangstillstandsstabilisering** – Transition state stabilization

## P

**Passiv transport** – Passive transport

**Pattedyr** – Mammal

**Pentose** – Pentose

**Peptid** – Peptide

**Peptidbinding** – Peptide bond

**Peptidgruppe** – Peptide group

**Peptidoglykan** – Peptidoglycan

**Plante** – Plant

**Plasma membran** – Plasma membrane

**Polymerase** – Polymerase

**Polymerasekjedereaksjon** – Polymerase Chain Reaction (PCR)

**Polypeptid** – Polypeptide

**Polysakkarid** – Polysaccharide

**Pore** – Pore

**Posttranskripsjonell modifikasjon** – Posttranscriptional modification

**Posttranskripsjonell prosessering** – Posttranscriptional processing

**Primer** – Primer

**Primærstruktur** – Primary structure

**Proenzym** – Zymogen (proenzyme)

**Projeksjon** – Projection

**Prokaryoter** – Prokaryote

**Prolin** – Proline

**Promotor** – Promoter

**Prostetisk gruppe** – Prosthetic group

**Protease** – Protease

**Protein** – Protein

**Proteinbiosyntese** – Protein biosynthesis

**Proteifold/brett** – Protein fold

**Proteinnedbrytning** – Protein digestion

**Proteoglykan** – Proteoglycan

**Protomer** – Protomer

**Protongradient** – Proton gradient

**Purin** – Purine

**Pyranose** – Pyranose

**Pyrimidin** – Pyrimidine

**Pyruvat** – Pyruvate

## **R**

**Radikal** – Radical

**Rakitt** – Rickets

**Ramachandran plot** – Ramachandran plot

**Reaksjon** – Reaction

**Reaksjonsfart** – Reaction rate

**Reaksjonsintermediat** – Reaction intermediate

**Reaksjonsmekanisme** – Reaction mechanism

**Reaksjonscenter** – Reaction center

**Redoksreaksjon** – Redox reaction

**Reduksjon** – Reduction

**Reduksjonsmiddel** – Reducing agent

**Reduksjonspotensial** – Reduction potential

**Reduserende ende** – Reducing end

**Regulatorisk protein** – Regulatory protein

**Regulatorisk sete** – Regulatory site

**Rekombinant DNA** – Recombinant DNA

**Releasefaktor** – Release factor

**Renaturering** – Renaturation/Refolding

**Replikasjon** – Replication

**Replikasjonsgaffel** – Replication fork

**Replikasjonsorigo** – Origin of replication

**Repressor** – Repressor

**Reseptor** – Receptor

**Residu** – Residue

**Respirasjonskjede** – Respiratory chain

**Restriksjonsenzym** – Restriction enzyme

**Ribonukleinsyre (RNA)** – Ribonucleic acid (RNA)

**Ribose** – Ribose

**Ribosom** – Ribosome

**Ribozym** – Ribozyme

**RNA-prosessering** – RNA processing

**Ryggrad** – Backbone

**Røntgenkristallografi** – X-ray crystallography

**Røntgenstråler** – X-rays

## **S**

**Sakkarid** – Saccharide

**Sammenkveilede helikser** – Coiled-coil

**Sekundærbudbringer** – Second messenger

**Sekundærstruktur** – Secondary structure

**Semikonservative** – Semiconservative

**Sense tråd** – Sense strand

**Separere/Bryte** – Cleavage

**Serin** – Serine

**Sfingolipid** – Sphingolipid

**Sfingosin** – Sphingosine

**Sitronsyresyklusen (Krebs syklus)** – Citric acid cycle

**Skjorbuk** – Scurvy

**Smeltepunkt** – Melting point ( $T_m$ )

**Sopp** – Fungi

**Speilbilde** – Mirror image

**Speilplan** – Mirror plane

**Spektroskopi** – Spectroscopy

**Spektrum** – Spectrum

**Spesifikk syre-base katalyse** – Specific acid-base catalysis

**Spin** – Spin

**Sporgrunnstoff** – Trace elements

**Stamcelle** – Stem cell

**Stamtre** – Phylogenetic tree

**Startkodon** – Initiation codon/Start codon

**Stereoisomer** – Stereoisomer

**Stereospesifisitet** – Stereospecificity

**Steroid** – Steroid

**Stivelse** – Starch

**Stoppkodon** – Stop codon

**Store fure** – Major groove

**Strukturmotiv** – Structural motif

**Stråleskade** – Radiation damage

**Subenhet** – Subunit

**Substrat** – Substrate

**Substratgjenkjenning** – Substrate recognition

**Sukrose** – Sucrose

**Superkveil/spiral** – Supercoil

**Supersekundærstruktur** – Supersecondary structure

**Symmetri** – Symmetry

**Symport** – Symport

**Syn** – Vision

**Syre – Acid**

**Syre-base katalyse** – Acid-base catalysis

**Syrekonstanten( $K_a$ )** – Acid dissociation constant ( $K_a$ )

**Søppel DNA** – Junk-DNA

## **T**

**TATA-boks** – TATA Box

**Tautomerisme** – Tautomerism

**Termineringskodon** – Termination codon

**Terpen** – Terpene

**Tertiærstruktur** – Tertiary structure

**TIM tønne** – TIM barrel

**Titreringskurve** – Titration curve

**Torsjonsvinkel** – Torsion angle

**Transfeksjon** – Transfection

**Transferase** – Transferase

**Transkripsjon** – Transcription

**Transkripsjonaktivator** – Transcriptional activator

**Transkripsjonsfaktor** – Transcription factor

**Transkripsjonsinitieringskompleks** – Transcription initiation complex

**Translasjon** – Translation

**Translasjonsinitieringsfaktor** – Translation initiation factor

**Translasjonsinitieringskompleks** – Translation initiation complex

**Transport-RNA** – Transfer RNA

**Treonin** – Threonine

**Triglyserid** – Triglyceride

**Tryptofan** – Tryptophan

**Tymin** – Thymine

**Tyrosin** – Tyrosine

## **U**

**Umettet fettsyre** – Unsaturated fatty acid

**Uracil** – Uracil

**Uttrykkingsvektor** – Expression vector

## **V**

**Vakuole** – Vacuole

**Valin** – Valine

**Van der Waals-interaksjon** – Van der Waals interaction

**Van der Waals-overflate** – Van der Waals surface

**Vannløslig vitamin** – Water-soluble vitamin

**Varme-sjokk protein** – Heat-shock protein

**Vekstfaktor** – Growth factor

**Vesikkel** – Vesicle

**Vesikkulær transport** – Vesicular transport

**Vev** – Tissue

**Virus** – Virus

**Vitamin** – Vitamin

**Voks** – Wax

**X**

**Xylose** – Xylose

**Z**

**Zwitterion** – Zwitterion